CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 30	St. Paul, Minn.	Oct. 26
Oct. 31	Abercrombie, N. D.	Oct. 26
Oct. 31	Warren, O.	Oct. 19
Oct. 31	Jersey City, N. J. Adv. Oct. 26.	Oct. 26
Nov. 1	Bay Saint Louis, Miss.	Oct. 5
Nov. 1	Marlin, Tex.	Oct 19
Nov. 1	Elmsford, N. Y. Adv. Oct. 26.	Oct. 26
Nov. 1	Boulder, Tex.	Oct. 26
Nov. 2	Auburn, Ind.	Oct. 19
Nov. 2	Nokomis, Ill.	Oct. 19
Nov. 3	Nashville, Tenn.	Oct. 26
Nov. 9	Marshall, Ill.	Oct. 26
Nov. 10	Gridley, Ill. Adv. Oct. 26.	Oct. 26
Nov. 14	Newport, Ky.	Oct. 5
Nov. 24	Memphis, Tenn. Adv. Oct. 26.	Oct. 26
Nov. 29	San Juan, Porto Rico. Adv. Oct. 12 to 26.	Oct. 19
Dec. 1	San Juan, Porto Rico. Adv. Oct. 19 and 26.	Oct. 19

SEWERS

Oct. 30	Dover, N. J.	Oct. 5
Oct. 30	Owosso, Mich.	Oct. 19
Oct. 31	Long Island City, N. Y.	Oct. 26
Nov. 1	Denver, Colo.	Oct. 26
Nov. 2	Tulsa, Okla.	Oct. 12
Nov. 2	Cedarburg, Wis.	Oct. 26
Nov. 3	Lublock, Tex.	Oct. 26
Nov. 6	Amboy, Minn.	Oct. 19
Nov. 7	Miami, Fla. Adv. Oct. 19 and 26.	Oct. 19
Nov. 14	Indianapolis, Ind. Adv. Oct. 26.	Oct. 26
Dec. 11	New Orleans, La. Adv. Oct. 12 to 26.	Oct. 12

WASTE DISPOSAL

Nov. 6	Waco, Tex.	Oct. 26

BRIDGES

Oct. 30	Houston, Tex.	Oct. 5
Oct. 30	Sterling, Ill.	Oct. 26
Oct. 31	Sydney, Australia	Jan. 12
Oct. 31	Trenton, N. J.	Oct. 19
Oct. 31	Illinois	Oct. 19
Oct. 31	Bridgewater, Mass.	Oct. 26
Nov. 1	Georgia	Oct. 19
Nov. 2	Ft. Worth, Tex.	Oct. 26
Nov. 2	Ottawa, Kan.	Oct. 26
Nov. 7	Vaudreuil, Que.	Oct. 19
Nov. 7	Vicksburg, Miss.	Oct. 19
Nov. 10	Tennessee	Oct. 26
Nov. 14	Milton, Fla.	Oct. 19
Jan. 23	Spokane, Wash.	Sept. 21
Sept. 1, 1923	Sydney, New South Wales, Australia	Aug. 3

EXCAVATION, DRAINAGE AND IRRIGATION

Oct. 30	Tunica, Miss.	Oct. 19
Nov. 1	Greenville, Ky.	Oct. 19
Nov. 1	Lions Head, Ont.	Oct. 26
Nov. 2	Cleveland, Miss.	Oct. 19
Nov. 3	Tracy, Calif.	Oct. 19
Nov. 4	Bolton, N. C. Adv. Oct. 19 and 26.	Oct. 19
Nov. 13	Newark, N. J. Adv. Oct. 26.	Oct. 26

STREETS AND ROADS

Oct. 30	Laurel, Miss. Adv. Oct. 19 and 26.	Oct. 19
Oct. 30	Sacramento, Calif.	Oct. 19
Oct. 30	Terre Haute, Ind.	Oct. 19
Oct. 30	Altmont, Tenn.	Oct. 26
Oct. 30	Great Bend, Kan.	Oct. 26
Oct. 30	Lamar, Mo.	Oct. 26
Oct. 31	New York, N. Y.	Oct. 26
Oct. 31	Milwaukee, Wis.	Oct. 12
Oct. 31	New York, N. Y. Adv. Oct. 5 to 26.	Oct. 5
Oct. 31	Illinois	Oct. 19
Oct. 31	Maryland Adv. Oct. 19 and 26.	Oct. 19
Oct. 31	Avon, N. J. Adv. Oct. 26.	Oct. 26
Oct. 31	Austin, Tex.	Oct. 26
Oct. 31	Daingerfield, Tex.	Oct. 26
Oct. 31	Pointe Claire, Que.	Oct. 26
Oct. 31	Ft. Madison, Ia.	Oct. 26
Nov. 1	Rhode Island Adv. Oct. 19 and 26.	Oct. 19
Nov. 1	Georgia	Oct. 19
Nov. 1	Columbia, S. C.	Oct. 26
Nov. 2	Hopatcong, N. J.	Oct. 19
Nov. 2	Michigan	Oct. 19
Nov. 2	Marietta, Okla.	Oct. 26
Nov. 2	Ft. Wayne, Ind.	Oct. 26
Nov. 2	Goshen, Ind.	Oct. 26
Nov. 2	Evansville, Ind.	Oct. 26
Nov. 3	Pennsylvania	Oct. 19
Nov. 3	Goshen, Ind.	Oct. 26
Nov. 3	Decatur, Ga.	Oct. 26
Nov. 4	Quebec	Oct. 19
Nov. 4	Laporte, Ind.	Oct. 26
Nov. 6	Ebensburg, Pa.	Oct. 19
Nov. 6	Fresno, Calif.	Oct. 26
Nov. 6	Warsaw, Ind.	Oct. 26
Nov. 6	Utah	Oct. 26
Nov. 6	California	Oct. 26
Nov. 7	Marion, Ind.	Oct. 19
Nov. 7	Stockton, Calif.	Oct. 26
Nov. 7	Topeka, Kan.	Oct. 26
Nov. 7	Birmingham, Ala.	Oct. 26
Nov. 7	Topeka, Kan.	Oct. 26
Nov. 7	Louisiana	Oct. 26
Nov. 8	Bridgeton, N. J.	Oct. 19
Nov. 8	Monticello, Ind.	Oct. 26
Nov. 8	Mays Landing, N. J. Adv. Oct. 26.	Oct. 26
Nov. 9	Duluth, Minn.	Oct. 19
Nov. 9	Eldorado, Kan.	Oct. 19
Nov. 9	Duluth, Minn.	Oct. 26
Nov. 10	Tennessee	Oct. 26
Nov. 14	Santa Rosa, Calif.	Oct. 26
Nov. 14	Massachusetts	Oct. 26
Nov. 17	Tampa, Fla.	Oct. 26
Nov. 18	Logansport, Ind.	Oct. 26
Nov. 20	Goderich, Ont.	Oct. 19
Nov. 21	Pascagoula, Miss.	Oct. 26
Jan. 7	Duluth, Minn.	Sept. 28

INDUSTRIAL WORK

Nov. 1	Vischer Ferry, N. Y. Adv. Oct. 12 to 26.	Oct. 12
Nov. 1	Phila., Pa.	Oct. 19
Nov. 6	Crawfordsville, Ind.	Oct. 26
Nov. 9	Marshall, Ill.	Oct. 19

BUILDINGS

Oct. 28	Marquette, Mich.	Oct. 26
Oct. 30	West Orange, N. J.	Oct. 26
Oct. 30	Pittsburgh, Pa.	Oct. 26
Oct. 31	Creedmoor (Jamaica P. O.), N. Y.	Sept. 28
Oct. 31	Baltimore, Md.	Oct. 12
Nov. 1	Centerville, O.	Oct. 12
Nov. 1	Plant City, Fla.	Oct. 5
Nov. 1	Duluth, Minn.	Oct. 5
Nov. 1	Irvington, N. J.	Oct. 12
Nov. 1	Attica, N. Y.	Oct. 26
Nov. 1	Winfield, Kan.	Oct. 26
Nov. 2	Clisholm, Minn.	Oct. 26
Nov. 2	Pittsburgh, Pa.	Oct. 26
Nov. 4	Patchogue, N. Y.	Oct. 19
Nov. 4	Carrick (Pittsburgh P. O.), Pa.	Oct. 19
Nov. 6	Detroit, Mich.	Oct. 19
Nov. 6	Cleveland, O.	Oct. 19
Nov. 6	Maywood, N. J. Adv. Oct. 26.	Oct. 26
Nov. 7	Rapid City, S. D.	Oct. 19
Nov. 8	St. Louis, Mo.	Oct. 19
Nov. 8	Kitchener, Ont.	Oct. 26
Nov. 9	Trenton, N. J.	Oct. 26
Nov. 9	Minneapolis, Minn.	Oct. 26
Nov. 9	Pittsburgh, Pa.	Oct. 26
Nov. 14	Wash., D. C.	Oct. 26
Nov. 14	Theills, N. Y. Adv. Oct. 26.	Oct. 26
Nov. 15	Ocean City, N. J.	Oct. 5
Nov. 15	Butler, Pa.	Oct. 26
Nov. 15	Beaumont, Tex.	Oct. 19
Nov. 18	Portland, Ore.	Oct. 19
Dec. 1	Oil City, Pa.	Oct. 26

FEDERAL GOVERNMENT WORK

Oct. 30	Superstructure — Buffalo, N. Y. Adv Oct. 5 to 26.	Oct. 5
Oct. 30	Dredging—Providence, R. I. Adv Oct. 5 to 26.	Oct. 5
Oct. 30	Alterations, etc.—Richmond, Va.	Oct. 5
Oct. 31	Dredging—Honolulu, H. T.	Aug. 31
Oct. 31	Road—Nevada	Oct. 19
Nov. 1	Laundry — New York, N. Y.	Oct. 12
Nov. 1	Alterations, etc. — Fitzsimons, Colo.	Oct. 12
Nov. 1	Deferrization Plant, etc.— Annapolis, Md.	Oct. 19
Nov. 1	Standpipe, etc. — Yorktown, Va.	Oct. 19
Nov. 6	Pier, etc. — Milwaukee, Wis. Adv. Oct. 12 to 26.	Oct. 12
Nov. 6	Breakwater—Chicago, Ill. Adv. Oct. 12 to 26.	Oct. 12
Nov. 6	Dump Scows — Buffalo, N. Y. Adv. Oct. 12 to 26.	Oct. 12
Nov. 6	Extension—Fargo, N. D.	Oct. 19
Nov. 7	Extension, etc.—San Jose, Calif.	Oct. 19
Nov. 8	Gas Tank, etc.—Chollas Heights, Calif.	Oct. 19
Nov. 14	Hospital—Chillicothe, O. Adv. Oct. 19 and 26.	Oct. 12
Nov 15	Radial Brick Stack—Tupper Lake, N. Y. Adv. Oct. 19 and 26.	Oct. 19
Nov. 15	Mechanical Equipment, etc —Tupper Lake, N. Y. Adv. Oct. 19 and 26.	Oct. 19
Nov. 15	Water Tank—Tupper Lake, N. Y. Adv. Oct. 19 and 26.	Oct. 19
Nov. 15	Refrigerating and Ice-Making Equipment, etc.—Tupper Lake, N. Y. Adv. Oct. 19 and 26.	Oct. 19
Nov. 15	Coal and Ash Handling Equipment, etc. — Tupper Lake, N. Y.	Oct. 19
Nov. 15	Post Office—Vernal, Utah.	Oct. 26
Nov. 15	Repairs — Moorhead City, N. C.	Oct. 26
Nov. 16	Post Office—Shawnee, Okla. Adv. Oct. 26.	Oct. 26
Nov. 17	Re-roofing—Carville, La.	Oct. 26
Nov. 20	Horses and Props—Huntington, W. Va. Adv. Oct. 26.	Oct. 26
Nov. 20	Steel Hull—Pittsburgh, Pa. Adv. Oct. 26.	Oct. 26
Nov. 20	Roof—Toledo, O. Adv. Oct. 26.	Oct. 26
Nov. 23	Earthwork—St. Louis, Mo. Adv. Oct. 26.	Oct. 26
Nov. 24	Post Office—Chandler, Okla. Adv. Oct. 26.	Oct. 26
Nov. 25	Dredging—Charleston, S. C. Adv. Oct. 26.	Oct. 26
Dec. 1	Barge—Montgomery, Ala. Adv. Oct. 26.	Oct. 26
Dec. 6	Pumping Units — Boise, Idaho	Oct. 19

MISCELLANEOUS

Oct. 30	Broken Trap Rock Stone, etc., New York, N. Y.	Oct. 26
Oct. 30	High School Equipment— Wash., D. C.	Oct. 12
Oct. 30	Stone—Olympia, Wash.	Oct. 19
Oct. 31	Steam Pumps — Atlanta, Ga.	Oct. 5
Oct. 31	—Coarse Aggregate, New York, N. Y.	Oct. 26
Nov. 2	Dock Wall—Buffalo, N. Y.	Oct. 26
Nov. 3	Spillway Gates — Turlock, Calif.	Oct. 26
Nov. 4	Transformers, etc. — Melbourne, Australia	Aug. 17
Nov. 4	Concrete Culvert Pipe—South Carolina	Oct. 26
Nov. 4	Jetties, etc. — Longport, N. J. Adv. Oct. 26.	Oct. 26
Nov. 8	Foundation—Cleveland, O.	Oct. 26
Nov. 9	Structural and Tank Steel— New Orleans, La.	Oct. 19
Nov. 13	High School Equipment— Wash., D. C.	Oct. 12
Nov. 16	Hoist and Trailers — San Jose, Calif.	Oct. 19
Nov. 16	Steel Shed—New Orleans, La.	Oct. 26
Nov. 21	High School Equipment— Wash., D. C.	Oct. 12
Dec. 18	Coal Handling Plant — Melbourne, Victoria, Australia	Sept. 21

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., New Britain — Plans to issue bonds extending water supply system. $100,000. J. D. Williams, city engr.

Waterworks (Continued)

La., Pontchatoula—Takes bids in December, waterworks system. $65,000 bonds voted. Swanson & McGraw, United Fruit Bldg., New Orleans, consult. engrs.

Ind., Mishawaka — Had plans prepared 500,000 gal. rein.-con. reservoir, incl. 3 motor driven pumps. $40,000. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., consult. engr.

Mo., Milan—Soon takes bids extending present mains, also new purification plant. $30,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs.

Mo., Paris—Nov. 21, to vote on $57,000 bonds for improvements to present water, light and ice plants, incl. two 200 hp. oil engines to be leased from Fairbanks Morse Co., 217 South 8th St., St. Louis. W. P. Rollins & Co., 521 R.R. Exch. Bldg., Kansas City, engrs.

Okla., Cyril—Nov. 6, to vote on $31,000 bonds for new waterworks system. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Ore., Portland—Plans new Bull Run pipe line, 10 mi. 60 in. and 14 mi. 52 in. riveted steel pipe, or 10 mi. 58 in. and 14 mi. 50 in. lock bar pipe, clearing and grubbing 16 acres three 80 ft. combined highway and pipe spans with abutments. $1,000,000. F. Randlett, ch. engr.

Ore., The Dalles — Making preliminary studies and estimates preparatory to bond election, for earth dam and pipe line between Mill Creek and east fork of Hood River. $300,000. Stevens & Koon, Spaulding Bldg., Portland, consult. engrs.

Ont., Whitby—Pub. Utilities Comn. having plans prepared for 1,000 ft. intake and slow sand filter. $55,000. F. W. Thorold, 54 Admiral Rd., Toronto, engr.

BIDS DESIRED

N. Y., Elmsford—Nov. 1, by Bd. Village Trustees, Lawn Ave., extending mains. Wulff Eng. Co., Natl. Bank Bldg., Tarrytown, engrs.; adv. this issue.

N. J., Jersey City—Oct. 31, by Bd. City Comrs., about 5,000 lin.ft. 36 in. c.i. mains in various streets. E. J. Holland, city clk.; adv. this issue.

Ala., Birmingham—L. Holt, purch. agt. for Tennessee Coal, Iron and R.R. Co., Brown-Marx Bldg., taking bids laying 11,000 ft. of 10 in., 1,750 ft. 8 in. and 8,150 ft. 16 in. c.i. pipe. $65,000. A. F. Haswell, Ensley, engr.

Tenn., Memphis—Nov. 24, by Bd. Comrs. Memphis Artesian Water Dept., superstructures for new water supply works, incl. Contrs. 7, 8, 9 and 10. Fuller & McClintock, 170 Bway., New York City, engrs.; adv. this issue.

Tenn., Nashville—Nov. 3, by S. H. McKay, secy. Bd. Pub. Wks., 125 water meters, ⅝ in. with necessary couplings.

Ill., Gridley—Nov. 10, for 290 ft. well, etc., Taylor & Woltmann, 428 Uni y Bldg., Bloomington, engrs.; adv. this issue.

Ill., Marshall — Nov. 9, by Mayor and City Council, removing old pumps from pumping station, putting in new concrete floor, water-proofing walls and floors, furnishing and installing 2 motor driven triplex pumps, 350 g.p.m. each, furnishing and erecting transmission line incl. transformers and lighting fixtures from power house to pumping station (about 1.8 mi.). F. L. Wilcox, Chemical Bldg., St. Louis Mo., engr. Noted Sept. 14.

Wis., Cedarburg — Nov. 2, by F. G. Schuette, city clk., furnishing two hundred ⅝ in. and ¾ in. water meters.

Minn., St. Paul—Oct. 30, by H. W. Austin, city purch. agt. 4 lime tanks and agitators, 800 cu.yd. gravel and 1,500 cu.yd. sand, for Water Dept. C. Claussen, city engr.

N. D., Abercrombie—Oct. 30, waterworks system incl. 8,125 lin.ft. galvanized iron mains, 2, 2½ and 3 in., 9 hydrants, pneumatic pressure tank, pumping plant of 1,200 gal. capacity. $15,000. J. Wicklein, village clk.

Tex., Lubbock—See "Sewers."

Colo., Boulder — Nov. 1, 1,000,000 gal. rein.-con. reservoir. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs.

BIDS RECEIVED

N. J., Newark—North Jersey Dist. Water Supply Comn., 20 Clinton St., opened bids Oct. 19 for great notch tunnel and approaches, Contr. 3, from Heyman & Goodman Co., 15 Exch. Pl., Jersey City, $918,297; T. A. Gillespie Co., 7 Dey St., New York City, $978,543; Mason & Hanger Co., 52 Vanderbilt Ave., New York City, $1,158,441; Contr. 4, from Heyman & Goodman Co., 25 Exch. Pl., Jersey City, $978,000, Patrick McGovern, Inc., 50 East 42nd St., New York City, $1,295,000, Frederick Snare Corp., 8 West 40th St., New York City, $1,412,000. Noted Sept. 7.

Md., Baltimore — Opened bids Oct. 18, storm water drains in Dist. P-8, Contr. 55, from D. Catalana, 34 Knickerbocker Bldg., $38,758; Aiello Constr. Co., 76 Knickerbocker Bldg., $43,674; Ryan Constr. Co., 735 Real Estate Trust Bldg., Phila., $45,349.

La., Cedar Grove—Opened bids Oct. 3, waterworks and sanitary sewerage systems, from James Contg. Co., Dallas, Tex., (street address not available), $179,357; C. H. Everett, Hutchison, Kan., $186,905; Merkel Mchy. Co., 1733 Walnut St., Kansas City, Mo., $189,048. Contract awarded to lowest bidder. Noted Sept. 28.

CONTRACTS AWARDED

Tenn., Memphis — Memphis Artesian Water Dept., rein.-con. reservoir and rein.-con. substructures for pumping station, iron removal plant and aerator, also furnishing and installing c.i. pipe, valves, drains, etc., to D. D. Thomas & Sons, 463 North Dunlap St. Noted Sept. 21.

O., Cleveland—For 10,400 lin.ft. 60 in. steel pipe for Fairmount Water Project, to P. F. Connolly, Commonwealth Bldg., $398,341. Noted Oct. 12.

O., Wickliffe—Mains in Worden Ave., to B. H. Whittaker, 343 The Arcade, Cleveland, $16,716; Wade Ave. to J. B. Lynn, 343 The Arcade, Cleveland, $3,536. Work involves 7,300 ft. 4-8 in. c.i. pipe. Noted Sept. 28.

Ia., Bedford—For 19,046 lin.ft. 4 in. Class B c.i. mains, 3.3 ton Class D specials, 28 fire hydrants, etc., to Cowan & Smith, 1733 Walnut St., Kansas City, Mo.; labor to N. E. Stucker & Son, Lawrence, Kan., total $18,500.

Colo., Glenwood Springs—For 4,100 ft. tunnel and 1,500 ft. concrete and metal flume and appurtenances thereto for city water supply, to White & Johnson, Chamber Commerce Bldg., Denver, $70,000. Noted Sept. 21.

Sewers

PROPOSED WORK

Mass., Fall River—Plans sewerage extension North Main St. north of New St. $100,000. A. Wolstenholme, city engr. Noted May 4.

Pa., Butler — City Council authorized $300,000 bond issue for sewage disposal plant.

La., Pontchatoula—Takes bids in December, sewerage system, $65,000 bonds voted. Swanson & McGraw, United Fruit Bldg., New Orleans, consult. engrs.

Kan., Pittsburg—Nov. 7, to vote on $125,000 bonds for sewers and sewage disposal plant. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs.

Kan., Robinson—Voted $25,000 bond issue for sewers. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Colo., Denver—Having plans and estimates prepared storm sewer in Park Hill Storm Sewer Dist. $1,000,000. A. K. Vickery, City Hall, engr.

Calif., Sanger—Had plans prepared 23,760 lin.ft. 6 in. and 2,138 lin.ft. 8 in. vitr. sewers, 3,930 ft. 30 in., 1,414 ft. 28 in., 1,980 ft. 14 in., 1,760 ft. 12 in. and 850 ft. 8 in. precast concrete sewers, etc. R. Phillips, Sanger, engr. Noted Sept. 21.

Ont., Grimsby—Plans new sewerage system. W. F. Randall, town clk. Engineer not selected.

BIDS DESIRED

N. Y., Long Island City—Oct. 31, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Depot Rd., Barclay, Orontes, 88th and 106th Sts., etc.

Ind., Indianapolis—Nov. 14 (change of date), by Bd. of Sanitary Comrs., City Hall, constructing Sect. 3, Div. 3, and furnishing and erecting mechanical equipment for sewage disposal plant. J. A. Craven, pres.; adv. this issue. Noted Oct. 12.

Tex., Lubbock—Nov. 3, by P. Spencer, mayor, sewage disposal plant, sewers and water mains. $100,000. S. Sanders, city engr. J. B. Hawley, Cotton Exch. Bldg., Ft. Worth, engr. E. E. Sands, Mason Bldg., Houston, engr. Noted Aug. 31.

Colo., Denver—Nov. 1, by Dept. Impvts. and Parks, 36,040 ft. 8-10 in. vitr. pipe sewer and 134 manholes in Berkeley Special Sanitary Sewer Dist. $49,412. A. K. Vickery, City Hall, engr.

BIDS RECEIVED

O., Cleveland—Opened bids Oct. 12, for 1,440 ft. 4-5 ft. circular and 380 ft. 12-14 in. vitr. tile sewer in (1) Bessemer Ave., 1,000 ft. 3 ft. circular sewer in (2) Dugway Brook, 275 ft. 24 in. vitr. tile sewer in (3) Lake Shore Blvd., from P. W. Graham, 1274 West 108th St., (1) $46,67[illegible] Amato Constr. Co., 335 The Arcade, ([illegible] $6,928; J. C. Kenny, 6817 Bridge Ave., [illegible] $7,208; Kassouff Co., 3182 West 25th St., (2) $9,500 (3) $4,168. Noted Oct. 5.

O., Maple Heights (Worthington P.O.)—Opened bids Oct. 5 for (1) Bwy. Sewer (2) Outfall Sewer, from Manson [illegible] Engineers Bldg., Cleveland, (1) [illegible] 6,287; Hadded Mall Co., Schofield Bldg., [illegible] veland, (1) $166,954 (2) $37,629; C. W. [illegible] ckson, 10714 Amor Ave., Cleveland, (2) $39,851. Noted Sept. 28.

Neb., Omaha—Storm sewers in Dist. 648, from 33rd St and Redman Ave. to 36th and Fort Sts., 276 lin.ft. 18-30 in. vitr. pipe, 116 lin.ft. 7 ft. 3 ring brick, 24 lin. ft. 7 ft. to 8 ft. 3 ring brick funnel, 1,469 lin.ft. 8 ft. 3 ring brick, 118 lin.ft. 5 ft. 3 in. 8 ft. to 8 ft. x 8 ft. brick and rein.-con. funnel, 52 vertical ft. 9 ft. manhole, 4,185 lb. cast iron, 50 cu.yd. foundation concrete, from J. J. Hanighen Co., 617 South 14th St., $38,973; H. J. Petersen Co., 403 Farnham Bldg., $41,545; Hanson & Willadsen Co., $42,623.

Calif., Oakland—Sewers in Melrose Acres, (1) 17,960 ft. 8 in. vitr. pipe, (2) 36 manholes (3) 21 standpipes (4) 63 lampholes, from W. J. Schmidt, 2025 Shattuck Ave., Berkeley, (1) $1.50 (2) $100, (3) $10 (4) $10; Heafey, Moore-McNair, 2030 High St., (1) $1.60 (2) $85 (3) $30 (4) $25; Bates & Borland, Oakland Savings Bank Bldg., (1) $1.88 (2) $90 (3) $45 (4) $25; R. D. Downer, Richmond, (1) $2.25 (2) $124 (3) $20 (4) $18; Oakland Paving Co., 5000 Bway., (1) $3.75 (2) $130 (3) $30 (4) $35. Noted Sept. 21.

Que., Montreal—Opened bids 2 x 3 brick sewer in (1) Sherbrooke St. (2) Bellechasse St. (3) Cote Des Neiges Rd., from C. Frascarelli & Co., 654 Berri St., (1) $21,805 (2) $1,619 (3) $5,182; P. Desantis, 3292 St. Hubert St., (1) $21,989 (2) $1,662 (3) $5,266; Rondou, Corlier & Co., 3506 Christophe Colomb St., (1) $29,312 (2) $1,372 (3) $4,377; Boyd, Rossi & Devito, 409 St. James St., (3) $4,707. Noted Sept. 28.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, sewer in Gravesend Ave., etc., to J. F. Cogan, 17th Ave. and 60th St., $417,000. Engrs. est. $425,000. Noted Oct. 19.

N. Y., Syracuse—Syracuse Intercepting Sewer Bd., 104 City Hall, machinery and equipment for sewage pumping station and grit chamber, to Roberts Filter Mfg. Co., 6th and Columbia Sts., Darby, Pa., (slip ring), $76,100.

Ia., Cedar Grove—See "Waterworks."

Ia., Carroll—For 9,000 lin.ft. 8 in. sanitary sewers, 2 pumping stations, 8 combination manholes, etc., to Sorenson Drainage Co., Slayton, Minn., $22,174. Noted Oct. 12.

Ia., Cascade—For 32,000 ft. sewers and disposal plant, to W. B. Carter, 606 United Bank Bldg., Sioux City, $46,543 and $24,046 respectively.

Que., Hull—Building sewers in various streets, to Laflamme & Laflamme, 40 Langevin St., $42,695.

Waste Disposal

PROPOSED WORK

Pa., Harrisburg—Nov. 7 to vote on $85,000 bonds for 1 story and basement, 44 x 54 ft. incinerator, 85 ton daily capacity. R. R. Seaman, clk.

BIDS DESIRED

Tex., Waco—Nov. 6, by R. L. Stribbling, city comptroller, 20 ton incinerator. H. R. Seward, Waco, engr.

Bridges

PROPOSED WORK

N. Y., Hoosick Falls—Making plans for steel bridge. $40,000. G. S. Thompson, town engr.

N. Y., Millersport — Town of Amherst plans new steel bridge with concrete floor to replace present structur on Transit Rd., here. To exceed $30,000. J. Wehrle, Williamsville, superv.

Tenn., Lawrenceburg—State Hy. Comn., Nashville, plans 200 ft. rein.-con. and steel bridge over Shoals Creek, here. D. Q. McComb, ch. engr.

Ia., Ft. Dodge — Webster Co. making plans and takes bids about Jan. 1, rein.-con. bridge, three 390 ft. spans $40,000. J. L. Parson, Court House, engr.

Missouri—State Hy. Dept., Jefferson City, takes bids about Nov. 21, 3,072 ft. rein.-con. and steel bridge, 20 ft., across Missouri River in city of Lexington, Lafayette and Ray Counties. $900,000. Waddell & Son, 800 Graphic Arts Bldg., Kansas City, engrs. Noted Oct. 19.

Bridges (Continued)

Tex., Newton—See "Streets and Roads."

Ore., Astoria — State Highway Comn., Salem, plans bridge over Columbia River, here, $3,000,000. C. B. McCullough, state bridge engr.

BIDS DESIRED

Mass., Bridgewater—Oct. 31 by Towns of Bridgewater and Middleboro and State Dept. Pub. Wks., Div. Highways, at State House, Boston, 150 ft. rein.-con. beam bridge, 40 ft. wide, between here and Middleboro. $35,000. A. W. Dean, State House, Boston, engr.

Louisiana—See "Streets and Roads."

Tennessee—Nov. 10, by State Dept. Highways, Nashville, 202 ft. rein.-con. and steel bridge on Federal Aid Project 62, sta. 68-77, to have three 26 ft. and one 114 ft. spans. D. Q. McComb, Nashville, ch. engr.

Tennessee—See "Streets and Roads."

Illinois—Oct. 31, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, substructure for steel, Project 25, Sect. 6-B, Grundy Co.; superstructure for steel, Project 25, Sect. 6-C, Grundy Co.; 1 steel complete, Project 25, Combination R, Grundy Co. C. H. Older, ch. engr.

Illinois—Oct. 31, by Dept. Pub. Wks. and Buildings, Div. Highways, 2 concrete bridges Route 16, Sect. 13-B, Shelby Co., 4 concrete approach spans, Route 2, Sect. 52-B, De Witt Co., 1 steel superstructure Route 2, Sect. 52-C, De Witt Co. Two last projects incorrectly noted as Clinton Co., Oct. 19 issue.

Ill., Sterling—Oct. 30, at City Hall, Sterling, for 1st Ave. Bridge over Rock River, rein.-con. open spandrel, arch bridge, twelve 80 ft. 6" spans, 28 ft. roadway, two 7 ft. sidewalks, in Sterling Twp. $185,000. E. O. Hills, Morrison, supt. highways of Whiteside Co. Noted March 2.

Kan., Ottawa—Nov. 2, at office of Clerk Franklin Co., Ottawa, Rattlesnake Hill Bridge in Osage and Franklin Counties, on New Santa Fe Trail Rd., Sects. 3 and 34, Twp. 16 and 17, Range 17 East, 1 mi. northeast of Lomax or 3 mi. west of Pomona, alternate plans, one for 183 ft. 4 in. steel span with 20 ft. roadway, other for 120 ft. steel span with 20 ft. roadway. S. Olcott, Lyndon, clk. Osage Co.

Missouri—State Hy. Dept., Jefferson City, takes bids about Nov. 11, for 600 ft. rein.-con. and steel bridge, 20 ft., across Gasconade River, Gasconade Co. $115,000. Waddell & Son, 800 Graphic Arts Bldg., Kansas City, engrs. Noted Oct. 19.

Tex., Ft. Worth — Nov. 2, by W. E. Yancy, aud. Tarrant Co., 3 rein.-con. bridges over Little Fossil, Walnut and Marys Creeks $58,827. R. V. Glenn, co. engr.

BIDS RECEIVED

Pennsylvania—See "Streets and Roads."

Idaho, Wallace—W. I. Bassett, dist. engr. Bureau Highways, Coeur d'Alene, four 90 ft. steel bridges, concrete substructures between here and Kellogg, from W. A. Byers, 1204 Mansfield St., Spokane, Wash., $45,030; McGuire & Blakesley, Great Falls, Mont., $45,711. Noted Oct. 12.

Calif., Sacramento—Bd. Supervs. Sacramento Co., constructing (1) Paintersville Bridge, 1,019,500 lb. structural steel, 55,500 lb. machinery, 308 cu.yd. concrete for counterweight, 15,000 lb. reinforced steel, 1,060 sq.yd. flooring, 110 cu. yd. Class A concrete 1-2-4, 500 cu.yd. earth fill, 1,124 yd. Class A concrete 1-2½-5 mix. etc., (2) Steamboat Slough Bridge, 601,000 lb. structural steel, 49,530 lb. machinery for bascule span, 294 cu.yd. 1-3-6 mix concrete for counterweights, 14,400 lb. reinforced steel, 936 cu.yd. concrete 1-2½-5 mix. in piers and abutments, etc., (3) both bridges, from Jenkins & Elton, 36th and Y Sts., (1) $197,400 (2) $143,600 (3) $333,346; A. W. Kitchen, 110 Market St., San Francisco, (1) $204,000 (2) $155,000 (3) $355,000; Healy-Tibbitts Constr. Co., 9 Main St., San Francisco, (1) $208,690 (2) $161,554 (3) $359,254. Noted Sept. 14.

CONTRACTS AWARDED

Virginia—See "Streets and Roads."

La., New Orleans — H. A. Klorer, city engr., rolling lift bridge over new basin canal, South Broad St., to Scherzer Bridge Co., 53 West Jackson Blk., $75,000. Bids will be taken in about 2 months for substructure, $12,000-$15,000.

Ia., Centerville—Supervs. Appanoose Co. to Ellis Constr. Co., Centerville, 7 box culverts $3,080; Alexander & Higbie, 2733 6th Ave., Des Moines, 23 box culverts, one 110 ft. and one 120 ft. steel high truss bridge, $45,838. Noted Oct. 19.

Ia., Fairfield—Jefferson Co., 66 rein.-con. box culverts, 7 extensions, one 40 x 20 ft. deck girder, one 40 x 20 ft. and one 24 x 24 ft. I beam bridges, to Ottumwa Supply & Constr. Co., Ottumwa, $19,638; O. Holm, Everly, $11,200; O. Jorstad, Wallingford, $14,000, and C. H. Kearns, Fairfield, $10,816. Noted Oct. 5.

Ia., Waterloo—Supervs. Washington Co., for 322 ft. steel deck truss bridge, one 100 ft. and two 70 ft. main spans, two 40 ft. I beam approach spans, over English River near Kalona, to Iowa Bridge Co., 1263 East 19th St., Des Moines, $29,999. Noted Oct. 19.

Kan., Coffeyville—Montgomery Co. (Independence) bridge over Verdigris River, Project 37-1, here, to Western Bridge Co., Harrisonville, Mo., $34,612.

Colorado—See "Streets and Roads."

Calif., Los Angeles—Bd. Harbor Comrs., Room 312, Byrne Bldg., superstructure of double leaf bascule bridge on concrete piers, Badger Ave., incl. 3 truss double leaf heel trunnion type Strauss bascule span, 220 ft. centre to centre of main trunnions with 50 ft. tower at each end, 2 railroad tracks, 2 roadways and 1 sidewalk, to Ross Constr. Co., Van Nuys Hotel, $542,400. Noted Sept. 14.

Dams

PROPOSED WORK

Ore., Bend—See "Industrial Works."

Ont., Paisley—See "Industrial Works."

Calif., Long Beach—Soon takes bids incinerator. $125,000.

Railways

PROPOSED WORK

Washington—J. H. Hall, Wilcox Bldg., Portland, Ore., filed articles of incorporation for Yakima Southern Ry., with headquarters at Vancouver. Company plans railroad between Yakima and Underwood, to connect with Spokane, Portland & Seattle Ry. at Underwood. $1,000,000 capital stock. E. E. Lytle, 634 Tillamook St., and H. E. Reed, 465 Montgomery Dr., both of Portland, Ore., incorporators.

Ontario—Grand Trunk Ry., McGill St., Montreal, Que., plans new railway yards at Kitchener. $95,000. C. Forrester, London, div. supt.

South Africa—Government plans 22 extensions aggregating 850 miles of 3 ft. 6 in. gage except two 24 in. lines, 60 lb. rails or lighter, $22,000 and $8,000 per mi. respectively. Address W. W. Hoy, genl. mgr. Railways & Harbors, Johannesburg, South Africa.

Excavation, Drainage, Irrigation

PROPOSED WORK

Ark., Texarkana—Index—Sulphur D. D., Miller Co., had plans prepared for floodway consisting of 36.8 mi. levees and 14.35 mi. open channel, interior drainage system includes 89.47 mi. channels and 34.7 mi. bayou clearing, also 1,000 hp. pumping plant, area of district 111,340 acres, 177 sq. mi., 6,021,000 cu.yd. earth excav. in levees and channels, for draglines, dredges and dry land machines. $1,658,000. Morgan Eng. Co., Goodwin Institute Bldg., Memphis, Tenn., engrs.

BIDS DESIRED

N. J., Newark—Nov. 13, at office of T. L. Raymond, dir. Dept. Streets & Pub. Impvts., City Hall, dredging portion of City of Newark Channel at Port Newark Terminal; adv. this issue.

Ont., Lions Head—Nov. 1, by J. H. Cook, clk. Eastnor Twp., draining and excav. for Judges Creek Drain, incl. 24,000 cu.yd. earth and 900 cu.yd. rock excav. $30,000.

CONTRACTS AWARDED

Fla., Kissimmee—City will fill in Lake front, 300,000 cu.yd., by day labor. J. R. Gilbert, city clk.

Ill., Carrollton—Hartwell Levee & Drainage Dist., extension and improvement in Hartwell Levee and Sanitary Dist., comprising 12,000 acres, incl. 350,000 ft. hydraulic dredgework and straightening 3 mi. Apple Creek, to McWilliams Dredging Co., 332 South Michigan Ave., Chicago, $177,000.

Colo., Ordway—Ordway D. D. 1, Crowley Co., 600,000 cu.yd. excavation in 10 mi. open ditch, to M. R. Amerman, 248 North Market St., Wichita, Kan., $0.07 per yd., total $42,000. Noted Sept. 7.

Wash., Aberdeen—See "Miscellaneous."

Streets and Roads

PROPOSED WORK

N. Y., Little Valley — **Cattaraugus Co.** plans election to vote on $150,000 bonds constructing roads throughout county.

Virginia—Falls Church and Providence Dists. near Alexandria, will vote on $275,000 bond issue Nov. 2, to defray portion cost building 8 mi. Lee Highway from Broad and Washington Sts., Falls Church to Fairfax Court House, Fairfax Co. Address G. P. Coleman, Richmond, state highway comr.

Fla., Gainesville—Alachua Co. soon receives bids paving 80,000 sq.yd. Gainesville-Archer Rd.; 150,000 sq.yd. Gainesville-Fairbanks-Waldo Rd.

La., Ruston—Having plans prepared paving work. $200,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Ky., Earlington—City soon takes bids concrete curbing and guttering, laying sewers and paving with rock asphalt or bituminous macadam, various streets. $125,000. R. C. Griffin, consult. engr.

O., Cleveland Heights (Warrensville P. O.)—Plans resurfacing with tar and macadam Grandview Ave., Chestnut Hill Dr., Fairmoun, Euclid, Lincoln and Washington Blvds., Clarkson, Corydon, Coleridge, Scarborough, Sillman, Edgehill, Yorkshire, Lamberton, East Overlook, Woodward, Redwood, Hampshire, Wilton, Coldwell, Hyde Park, Bellfield, Stratford, Guilford, Wellington, Dartmoor, North Woodland, Arlington and Elandon Rds. $300,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ind., New Albany—Floyd Co. plans paving 11,180 ft. Mount Tabor Rd., 16 ft., stone macadam. $25,412. M. M. Boland, New Albany, engr.

Ind., Valparaiso—Porter Co. plans grading and gravel surfacing 0.697 mi. Sederberg Rd., 18 ft. $28,900. F. R. McNeice, Valparaiso, engr.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and gravel surfacing 12 mi. Federal Aid Project 80, Sect. F, Machinac Co., 18 ft. wide, 4½ mi. State Trunk Line Rd. 22-6, Sect. B, Benzie Co., 16 ft. wide. F. F. Rogers, state highway comr.

Kan., Wichita — Resolutions passed excavating, curbing, guttering and paving Wellington Pl. from 18 to 20th Sts., Douglas Ave from Madison to Spruce Sts., Market St. from Boston to Hary Sts., Harrison Ave. from Woodrow to Coolidge Sts., and alley west of Water St. from English to Waterman Sts. P. L. Brockway, City Bldg., Engr.

Neb., Pawnee City—Plans paving streets, various types to be considered. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Wyo., Casper—Plans paving 6 or 8 blocks South Beech St., 34 and 44 ft., $60,000; paving and sewers in West 14th and South Willow Sts., Railroad Ave. and adjoining cross streets, 34 ft., $100,000. Alternate bids will probably be asked on concrete and bitulithic types of pavement. F. S. Knittle, Box 1143, city engr.

Montana — State Hy. Comn., Helena, making plans grading, surfacing and building structures on 13.5 mi. Billings-Hardin Rd., Federal Aid Project 187, Yellowstone Co., 81,500 cu.yd. excav., 16,500 cu.yd. crushed gravel, $70,000, 15 mi. Broadus North Rd., Federal Aid Project 198, Powder River Co., $120,000, 14.5 mi. Cascade-Ulm Rd., Federal Aid Project 182, Cascade Co., 150,000 cu.yd. common and 3,300 cu.yd. rock and intermediate excav., 26,000 cu.yd. crushed gravel, $139,000, 47 mi. Glacier Park Trail, Sects. C, L F and H, Federal Aid Project 84, Roosevelt Co., 282,000 cu.yd. excav., 64,000 cu.yd. gravel, $360,000, 7 mi. Medicine Lake-Reserve Rd., Federal Aid Project 193, Sheridan Co., 68,000 cu.yd. excav., 12,600 cu.yd. gravel, $57,000, 16.5 mi. Hardin-Crow Agency Rd., Federal Aid Project 188, Big Horn Co., 48,000 cu.yd. excav., 24,000 cu.yd. gravel, $106,000, 5.8 mi. Ravalli-St. Ignatius Rd., Federal Aid Project 194, Missoula Co., 45,000 cu.yd. earth and 5,000 cu.yd. rock excav., 7,850 cu.yd. crushed gravel, $45,000; takes bids during winter for 31.5 mi. Pablo-Rollins Rd., Federal Aid Project 191, Flathead Co., 246,650 cu.yd. earth and 43,000 cu.yd. rock excav., 37,800 cu.yd. surfacing and one 30 ft. bridge, $287,000, 15 mi. Nashua-Frazer Rd., Federal Aid Project 189, Valley Co., 75,000 cu.yd. common excav., 27,000 cu.yd. crushed gravel, $163,000, 16.5 mi. Browning-Carlow Rd., Federal Aid Project 196, Glacier Co., 116,000 cu.yd. excav., 22,400 cu.yd. gravel, $112,000, 40 mi. Dupuyer-Glacier Park Rd., Federal Aid Project 190, Glacier Co., 373,000 cu.yd. earth and 27,000 cu.yd. rock excav., 72,000 cu.yd. crushed gravel, $425,000, 12 mi. Arlee-Ravalli Rd., Federal Aid Project 192, Missoula Co., 97,600 cu.yd. earth, 6,800 cu.yd. intermediate and 9,600 cu.yd. rock excav., $136,000, 12 mi. McDonald-Knowles Rd., Federal Aid Project 186, Sanders Co., 98,700 cu.yd. earth, 10,600 cu.yd. intermediate and 19,300 cu.yd. rock excav., 14,400 cu.yd. crushed gravel, one 30 ft. and one 24 ft. bridge, $167,000, 8.8 mi. Dixon East Rd., Federal Aid Project 197, Sanders-Missoula Co., 50,000 cu.yd. earth and 12,500 cu.yd. rock excav., 12,000 cu.yd. crushed gravel, $100,000. All foregoing 21-24 ft. J. N. Edy, ch. engr.

Streets and Roads (Continued)

Missouri—State Hy. Dept. at div. office Greenfield, rejected bids opened Aug. 28, 4.029 mi. road from Lamar to Springfield, 24 ft., Federal Aid Project 159 A, Dade Co., 15,229 cu.yd. earth and 297 cu.yd. rock excav., 3,050 cu.yd. borrow, 125.4 cu.yd. concrete masonry, 8,408 lb. reinforcing for concrete masonry, 28,481 sq.yd. specification C gravel pavement, etc. B. H. Piepmeier, Jefferson City, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans 5.062 mi. road from McKittrick S.R.D., 24 ft., Federal Aid Project 141, Montgomery Co., 26,423 cu.yd. earth and 1,201 cu.yd. rock excav., 6,399 cu.yd. borrow, 301.6 cu.yd. concrete masonry, 29,313 sq.yd. specification C gravel pavement, etc. B. H. Piepmeier, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans 2.061 mi. road from Cairo to Poplar Bluff, State Rd. Route 16, Sect. 94, Mississippi Co., 5,564 cu.yd. earth excav., 15,703 cu.yd. borrow, 2,176 cu.yd. gravel, 2,176 cu.yd. gravel ¼ mi. haul, 3,970 cu.yd. gravel additional ¼ mi. haul, 10,882 sq.yd. 1 course concrete pavement, etc.; 5 mi. road from Milan to Green City, 24 ft., State Project 6, Sect. 34, Sullivan Co., 50,906 cu.yd. earth excav., 660 cu.yd. borrow, 83.2 cu.yd. concrete masonry, etc.; 2.886 mi. road from Sante Fe Trail, State Project Route 20, Sect. 10, Lafayette Co., 10,092 cu.yd. earth excav., 17,349 cu.yd. borrow, 30,561 sq.yd. concrete pavement, 18 ft. wide, 7 in. at center and edges, 209.4 cu.yd. concrete masonry, etc.; 4.896 mi. road from Bolivar to Buffalo, State Project Route 15, Sect. 80, Dallas Co., 18,876 cu.yd. earth and 441 cu.yd. rock excav., 15,879 cu.yd. borrow, 11,743 cu.yd. gravel surface ¼ mi. haul, 69,943 cu.yd. gravel surface course additional ¼ mi. haul, 254.2 cu.yd. concrete masonry, etc.; 5 mi. road from Douglas Co. line to Howell Co. line, 26 ft., State Project 5, Sect. 95, Ozark Co., 35,077 cu.yd. earth excav., 800 cu.yd. borrow, 31.5 cu.yd. concrete masonry, etc.; 4.061 mi. road from Vienna to Osage Co. line, State Project Route 7, Sect. 55, Maries Co., 21,445 lin.ft. grading, 9,796 cu.yd. 1 course gravel surfacing ¼ mi. haul, 58,779 cu.yd. gravel surfacing additional ¼ mi. haul, 16 ft. wide, 9 in. at center and edges, etc.; 5 mi. road on Capitol Highway, State Project Route 12, Sect. 30, Moniteau Co., 10,418 cu.yd. earth excav., 76.5 cu.yd. concrete masonry, 11,880 cu.yd. 1 course gravel surfacing ¼ mi. haul, 108,066 cu.yd. gravel surfacing additional ¼ mi. haul, 13,960 lin.ft. grading, etc.; 4.991 mi. road from Jefferson City to Eldon, 24 ft., State Project 15, Sect. 56, Miller Co., 23,937 cu.yd. earth excav., 3,997 cu.yd. borrow, 228.3 cu.yd. concrete masonry, etc.; 1.403 mi. McBride Hill Relocation, State Project Route 51, Sect. 3, Perry Co., 7,409 lin.ft. grading, 2,644 cu.yd. gravel surfacing 16 ft. wide, 9 in. at center and edges, 2,644 cu.yd. 1 course gravel ¼ mi. haul, 10,377 cu.yd. gravel additional ¼ mi. haul, etc.; 3.078 mi. road from Jefferson City to Eldon, 24 ft., State Project Route 15, Sect. 57, Miller Co., 10,493 cu.yd. earth and 1,320 cu.yd. rock excav., 2,470 cu.yd. borrow, 106.4 cu.yd. concrete masonry, etc.; 2.322 mi. road on Capitol Highway, 24 ft., State Project Route 12, Sect. 29, Moniteau Co., 6,514 cu.yd. earth and 200 cu.yd. rock excav., 101.2 cu.yd. concrete masonry, etc.; 4.866 mi. road from Centerville to Ellington, 24 ft., State Project Route 21, Sect. 25, Reynolds Co., 50,056 cu.yd. earth and 610 cu.yd. rock excav., 5,498 cu.yd. borrow, 164 cu.yd. concrete masonry, etc.; 2.585 mi. road on Kings Highway from Jackson to Perry Co. line, 26 ft., State Project Route 25, Sect. 19, Cape Girardeau Co., 17,856 cu.yd. earth and 3,144 cu.yd. rock excav., 4,413 cu.yd. borrow, 103.8 cu.yd. concrete masonry, etc.; 3.24 mi. road from Monett to Eureka Springs, State Project Route 37, Sect. 10, Barry Co., 161,798 cu.yd. earth and 2,185 cu.yd. rock excav., 7,756 cu.yd. 1 course gravel surfacing ¼ mi. haul, 38,784 cu.yd. 1 course gravel surfacing additional ¼ mi. haul, 210.5 cu.yd. concrete masonry, etc.; 4.914 mi. road from Monett to Eureka Springs, State Project Route 37, Sect. 7, Barry Co., 20,583 cu.yd. earth and 200 cu.yd. rock excav., 1,390 cu.yd. borrow, 11,702 cu.yd. 1 course gravel surfacing ¼ mi. haul, 58,510 cu.yd. 1 course gravel surfacing additional ¼ mi. haul, 16 ft. wide, 9 in. at edges and center, 363.3 cu.yd. concrete masonry, etc.; 4.375 mi. road from Douglas Co. line to Howell Co. line, 26 ft., State Project Route 5, Sect. 96, Ozark Co., 24,114 cu.yd. earth excav., 40.7 cu.yd. concrete masonry, etc.; 3.3 mi. road from Wright Co. line to Ozark Co. line, 24 ft., State Project Route 5, Sect. 94, Douglas Co., 18,577 cu.yd. earth excav., 19.4 cu.yd. concrete masonry, etc.; 2.01 mi. road from Wright Co. line to Ozark Co. line, 24 ft., State Project Route 5, Sect. 93, Douglas Co., 14,209 cu.yd. earth and 2,366 cu.yd. rock excav., 198 cu.yd. borrow, 45.6 cu.yd. masonry, etc. B. A. Piepmeier, state highway engr.

Mo., St. Louis—Bd. Pub. Serv. takes bids within 3 months paving and granite curbing 3,550 ft. Meramec St. from 38th to Gravois Sts., 14,290 sq.yd. trinidad asphalt, $67,850, 5,200 ft. Nebraska St. from Park to Magnolia Sts., 16,505 sq.yd. asphalt or warrenite, $60,900, 1,425 ft. Hebert St. from Parnell to Glasgow Sts., 4,965 sq.yd. warrenite, $24,600, 2,500 ft. Kossuth St. from Prairie to Fair Sts., 11,390 sq.yd. warrenite, $52,200, 425 ft. Soulard St. from 12th to 14th Sts., 4,160 sq.yd. trinidad asphalt, $17,900, 2,400 ft. 12th St. from Soulard to Chouteau Sts., 12,320 sq.yd. trinidad asphalt, $63,200, 1,850 ft. 12th St. from Russell to Soulard Sts., 9,530 sq.yd. trinidad asphalt, $47,500, 5,140 ft. West Florissant St. from Union St. to Kingshighway, N.W., 29,105 sq.yd. asphalt, $152,500, 2,250 ft. Taylor St. from Bway, to West Florissant St., 10,355 sq.yd. warrenite, $53,350, 550 ft. Wilson St. from Cooper to Edwards Sts., 1,695 sq.yd. brick, $10,150, 575 ft. Missouri St. from Keokuk to Chippewa Sts., 1,855 ft. asphalt, $8,800, 1,250 ft. East Virginia St. from Bates to Wilmington Sts., 3,040 sq.yd. brick, $17,300, 700 ft. Macklind St. from Southwest to Botanical Sts., 2,805 sq.yd. brick, $16,900, 1,250 ft. San Francisco St. from Kingshighway to Geraldine St., 4,395 sq.yd. brick, $35,600, 700 ft. Scott St. from Taylor St. westward, 1,950 sq.yd. brick, $15,600, 750 ft. McRee St. from Kingshighway westerly, 2,540 sq.yd. brick, $16,250, 1,250 ft. Madison St. from wharf to Bway., 4,375 sq.yd. granite, $34,600, 950 ft. Theresa St. from Market to Laclede Sts., 4,090 sq.yd. granite, $29,600, 6,400 ft. Choteau St. from Bway. to Jefferson St., 32,530 sq.yd. recut granite, $119,025; paving and concrete curbing 500 ft. Osceola St. from Ohio St. to Bway., 1,735 sq.yd. concrete, $7,500, 1,250 ft. Smiley St. from Ivanhoe to Frisco Sts., 3,630 sq.yd. concrete, $16,800, 525 ft. Emercon St. from Harney to Florissant Sts., 820 sq.yd. warrenite, $7,200, 550 ft. Garnet St. from Forest to McCausland Sts., 1,470 sq.yd. asphaltic concrete, $8,200, 950 ft. Smiley St. from Leola to Ivanhoe Sts., 3,255 sq.yd. asphaltic concrete, $14,500, 745 ft. Glasgow St. from Kossuth to 22nd Sts., 1,265 ft. brick, $8,000, 900 ft. Geraldine St. from Lillian to Thekla Sts., 3,435 sq.yd. warrenite, $17,400, 525 ft. Neosho St. from Kingshighway westerly, 1,625 sq.yd. warrenite, $7,500, 500 ft. Glase St. from Bway. to Kuhs. Sub., 1,530 sq.yd. concrete, $6,900, 700 ft. Wiesehan St. from Kingshighway to Korn St., 2,355 sq.yd. asphaltic concrete, $9,500, 750 ft. Beacon St. from Lillian to Prange Sts., 2,645 sq.yd. asphalt or warrenite, $11,700, 800 ft. Bancroft St. from point 240 ft. west of Brannon to Macklind Sts., 2,485 sq.yd. asphaltic concrete, $9,380, 275 ft. Brannon St. from Sutherland to Bancroft Sts., 1,100 sq.yd. warrenite, $4,600, 4,000 ft. Delor St. from Grand to Ray Sts., 20 ft., 8,985 sq.yd. concrete, $41,700, 1,300 ft. Delor St. from Ray to Gravois Sts., 6,145 sq.yd. warrenite, $32,650, 1,250 ft. Slevin St. from Kingshighway to Geraldine St., 3,740 sq.yd. brick, $25,300, 1,150 ft. Wilmington St. from Colorado to Grand Sts., 3,830 sq.yd. brick, $21,350, 750 ft. Schollmeyer St. from Korn St. to Kingshighway, 2,820 sq.yd. concrete, $13,500, 1,100 ft. Tyrolean-Elmer St. from Korn to Gravois Sts., Sts., 4,265 sq.yd. concrete, $20,500 900 ft. Gimblin St. from Halls Ferry to Newby St., 3,070 sq.yd. concrete, $16,100, 1,050 ft. Lansdowne St. from Macklind to January Sts., 3,295 sq.yd. bituminous macadam, $20,400, 1,100 ft. Lansdowne St. from January to Hampton Sts., 3,815 sq.yd. asphaltic concrete, $22,100, 1,470 ft. Saloma St. from Wren to Partridge Sts., 4,236 sq.yd. warrenite, $29,100, 1,000 ft. Sulpher St. from Columbia to Elizabeth Sts., 3,507 sq.yd. brick, $25,300; paving 1,725 ft. Shaw St. from Grand to 39th Sts., 6,750 sq.yd. asphalt or warrenite, $26,700, 1,100 ft. Utah St. from Louisiana to Grand Sts., 4,320 sq.yd. warrenite, $18,100, 2,700 ft. Enright St. from Kingshighway to Union St., 9,405 sq.yd. asphalt or warrenite, $20,800, 3,900 ft. Hamilton St. from Delmar to Plymouth Sts., 9,055 sq.yd. asphalt, $24,500, 4,700 ft. Chouteau St. from Manchester-Vandeventer St. to Kingshighway, 21,245 sq.yd. asphalt, $61,400, 1,900 ft. Chouteau St. from Compton to Grand Sts., 7,590 sq.yd. asphalt, $16,400, 5,600 ft. Clayton St. from Vandeventer St. to Kingshighway, 22,560 sq.yd. asphalt or warrenite, $57,200, 1,100 ft. Kingsbury St. from Laurel St. easterly, 2,625 sq.yd. warrenite, $6,050, 750 ft. Pershing St. from Euclid St. to Kingshighway, 3,240 sq.yd. warrenite, $14,700, 2,740 ft. Page St. from Kingshighway to Union St., 13,120 sq.yd. warrenite, $30,800, 5,850 ft. Bates St. from Grand to Gravois Sts., 20 ft., 13,300 sq.yd. concrete, $52,200, 2,100 ft. Forest Park from Grand to Vandeventer Sts., 15,000 sq.yd. asphalt or warrenite, $42,250, 3,800 ft. Forest Park from Boyle St. to Kingshighway, 11,100 sq.yd. asphalt or warrenite, $63,000, 1,700 ft. Pershing St. from Wabash to Des Peres Sts., 5,175 sq.yd. asphalt or warrenite, $14,650, 1,000 ft. Kingsbury St. from Rosedale to Skinker Sts., 2,850 sq.yd. asphalt or warrenite, $8,150, 950 ft. McPherson St. from DeBaliviere to Laurel Sts., 3,250 sq.yd. asphalt or warrenite, $9,000, 2,300 ft. McPherson St. from Nina to Skinker Sts., 6,510 sq.yd. asphalt or warrenite, $19,300, 900 ft. Washington St. from Laurel to De Giverville Sts., 2,275 sq.yd. asphalt or warrenite, $6,360, 600 ft. Washington St. from Des Peres to Skinker Sts., 4,455 sq.yd. asphalt or warrenite, $13,000, 1,525 ft. Westminster St. from Hamilton to De Baliviere Sts., 4,620 sq.yd. asphalt or warrenite, $13,200, 1,750 ft. Westminster St. from Skinker to Des Peres Sts., 4,655 sq.yd. asphalt or warrenite, $13,200, 200 ft. Compton St. from Lucas to Morgan Sts., 1,470 sq.yd. asphalt, $3,900, 1,750 ft. Leonard St. from Morgan to Easton Sts., 7,875 sq.yd. asphalt or warrenite, $14,800, 5,600 ft. Arsenal St. from 59th St. to tracks of Frisco R.R., 17,365 sq.yd. 7 in., recin.-con., $80,400, 3,100 ft. 7th St. from Chouteau to Market Sts., 12,115 sq.yd. recut granite, $82,700, 1,090 ft. Beacon St. from Prange St. to Kingshighway, 3,300 sq.yd. brick, $19,000, 2,350 ft. Arsenal St. from 13th to Jefferson Sts., 8,615 sq.yd. asphalt or bitulithic, $49,400, 1,200 ft. Arsenal St. from Bway. to 13th St., 4,650 sq.yd. recut granite, $11,800; grading 800 ft. Cutter St. from Plateau to Dale Sts., 4,130 cu.yd., $3,450, 1,450 ft. Kraft St. from Dale to Clayton Sts., 21,760 cu.yd., $14,550, 650 ft. McDonald St. from Russell to Oak Hill Sts., 3,330 cu.yd. $2,200, 860 ft. Esther St. from Elizabeth to Wilson Sts., 5,600 cu.yd., $7,250, 3,000 ft. O'Dell St. from point 474 ft. west of Clifton St. to tracks of St. Louis and San Francisco R.R., 21,280 cu.yd., $17,600, 2,000 ft. Geraldine St. from Brown to Bircher Sts., 15,695 cu.yd., $20,000, 700 ft. Tennessee St. from Iron to Fillmore Sts., 5,035 cu.yd., $5,200, 3,000 ft. Goodfellow St. from Maffitt St. to Natural Bridge, 28,100 cu.yd., $17,400, 1,950 ft. McCune St. from Tamm St. to tracks of St. Louis & San Francisco R.R., 5,645 cu.yd., $7,500. W. M. Horner, City Hall, engr.

Tex., Brownsville — Brown Co. election Nov. 18 to vote on $1,185,000 bond issue constructing and resurfacing roads. M. Nichols, Georgetown, engr.

Tex., Corpus Christi—Nueces Co. making plans surfacing road already graded with 5 in. shell base, 5 in. gravel surface and 1 in. bituminous topping, 11.17 mi. State Highway 12 from Texas Mexican Railroad Crossing to west line Precinct 4, 18 ft., $192,174; 11.74 mi. State Highway 12, 18 ft., $211,914; 10.42 mi. Corpus Christi-Bishop Rd., 18 ft., $183,430. C. E. Cocke, co. engr.

Tex., Meridian—Bosque Co. soon lets contract gravel surfacing 14.35 mi. State Highway 2, 16 ft. $27,500. C. H. Van Eman, Glen Rose, engr.

Tex., Newton—Newton Co. making plans grading, gravel surfacing and building 580 ft. creosoted pile trestle bridge on 20.5 mi. Jasper-Newton Rd., 18 ft. $230,006. W. T. Bolton, co. engr.

Tex., San Angelo—Tom Green Co. making plans grading 23.44 mi. Ballinger-Sherwood Rd., 28 ft., $50,000; 16.44 mi. Wall-Van Court-Eden Highway, 28 ft., $53,138. G. Gilchrest, San Angelo, engr. in charge.

Okla., Tulsa—Tulsa Co. plans constructing ¾ mi. Skiatook Rd., $15,309; 2 mi. Jinks Rd., $57,383. D. Patton, co. engr.

Colorado—State Hy. Dept., Denver, rejected bids concrete paving 1.003 mi. road, Federal Aid Project 225, Adams and Arapahoe Counties, $36,000. L. D. Blauvelt, state highway engr. Noted Oct. 5.

California—State Hy. Dept., Sacramento, takes bids latter part of November, grading 3 mi. highway from point 500 ft. northeast from west portal of Southern Pacific R.R. tunnel at Donner Summit extending easterly over new rights of way to point on present State road at west end of Donner Lake, (Sta. 20 plus 00 to Sta. 173 plus 00), Nevada Co. A. B. Fletcher, state highway engr.

Calif., Arcata — Having plans prepared paving 40 blocks, asphaltic concrete, 3 in. base, 2 in. surface. W. S. Farley, Monadnock Bldg., San Francisco, engr.

Calif., San Anselmo—Had plans prepared improving streets in Barber Tract, 2,050 cu.yd. grading, unclassified, 86,770 sq.yd. grading surface, 86,770 sq.ft. 4 in. asphaltic macadam, 2 course, 9,900 lin.ft. concrete curb, 15,540 sq.ft. concrete gutter, 390 cu.ft. concrete curbwall, etc. J. J. Jessup, San Anselmo, engr.

Calif., Stockton— Supervs. San Joaquin Co., rejected bids opened Oct. 3, paving with oil macadam 2 mi. Mt. Diablo Ave., 20 ft. F. E. Quail, co. surv. Noted Oct. 19.

Streets and Roads (Continued)

Ont., Hamilton—Plans 2,500 ft. asphalt pavement on Napier St., incl. 8,500 sq.yd. asphalt. $40,000. E. R. Gray, city engr.

BIDS DESIRED

Massachusetts—Nov. 14, by Dept. Pub. Wks. Div. Highways, Boston, paving 39,940 ft. road in towns of Otis and Sandisfield, bituminous macadam, 18-20 ft. A. W. Dean, ch. engr.

N. Y., New York—Oct. 31, by J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving roadway of Manhattan Ave. from Cathedral Parkway to 116th St. also roadway of Amsterdam Ave. (curb to rail) from 79th to 86th Sts., sheet asphalt on concrete.

N. J., Avon—Oct. 31, by Boro Council, Boro Hall, reconstructing Ocean Blvd., warrenite bitulithic and sheet asphalt on concrete. G. K. Allen, 60 Broad St., Red Bank, civil engr.; adv. this issue.

N. J., Mays Landing — Nov. 8, by Bd. Freeholders Atlantic Co., Guarantee Trust Bldg., Atlantic City, reconstructing Sect. 6 of Route 14, Hamilton Twp., warrenite bitulithic on 6 in. concrete. A. H. Nelson, 636 Guarantee Trust Bldg., Atlantic City, co. engr.; adv. this issue. Noted Aug. 31.

N. J., Mays Landing—Nov. 8, by Bd. Freeholders Atlantic Co., Guarantee Trust Bldg., Atlantic City, reconstructing Cedar and Landis Aves. from Mays Landing-Downstown Rd. in Richland to line between Atlantic and Cumberland Counties. F. W. Willetts, clk; adv. this issue.

S. C., Columbia—Nov. 1, by Richland Co., improving 11.15 mi. Monticello Rd., 120,000 cu.yd. common excav., 33,000 cu.yd. gravel or top soil surfacing, 14,000 cu.yd. solid rock excav., 480 lin.ft. 15 in. corrugated metal culvert, 880 lin.ft. 18 in. plain concrete culvert, 670 lin.ft. 24 in., 200 lin.ft. 30 in., and 105 lin.ft. 36 in. rein.-con. pipe culverts, 930 cu.yd. concrete, 138,800 lb. reinforcing. Cost to exceed $75,000. R. Pennell, Arcade Bldg., engr.

Ga., Decatur—Nov. 3, by J. S. Looney, city mgr. improving 1,216 ft. 3rd Ave., 2,431 lin.ft. granite curb, 850 sq.yd. rubble gutter, 3,260 sq.yd. slag macadam, 3,300 sq.yd. asphaltic concrete. B. F. Williams, City Hall, engr.

Fla., Tampa—Nov. 17, by Comrs. Hillsborough Co., paving with brick, asphalt block, sheet asphalt, asphaltic concrete, cement concrete or bituminous macadam, 14.74 mi. road from Hopewell to Tampa, 9 or 15 ft., 42,055 or 77,815 sq.yd. paving, 35,000 cu.yd. excav., 165,630 lin.ft. concrete or granite curbing, $250,000; 4.78 mi. road from Seffner to Thonotosassa, 9 or 15 ft., 25,233 or 42,055 sq.yd. paving, 15,000 cu.yd. excav., 50,466 lin.ft. concrete or granite curbing, $75,000; 6.06 mi. Lake Magdalene Rd., 9 or 15 ft., 32,000 or 53,332 sq.yd. paving, 12,000 cu.yd. excav., 64,000 lin.ft. granite or concrete curbing, $150,000; 6.75 mi. Temple Terraces, 9 or 15 ft., 34,650 or 57,750 sq.yd. paving, 20,000 cu.yd. excav., 69,300 lin.ft. concrete or granite curbing, $150,000; 10.91 mi. road from Plant City to Thonotosassa, 9 or 15 ft., 57,580 or 95,966 sq.yd. paving, 33,000 cu.yd. excav., 115,160 lin.ft. curbing, $200,000; 6.65 mi. Midway Rd., 9 or 15 ft., 35,113 or 58,521 sq.yd. paving, 25,000 cu.yd. excav., 70,266 lin.ft. concrete or granite curbing, $100,000; 11.16 mi. Lithia Rd., 9 or 15 ft., 58,907 or 98,179 sq.yd. paving, 45,000 cu.yd. excav., 117,814 lin.ft. curbing, $200,000; 28.02 mi. Bayshore Rd. to Manatee Co. line, 147,937 or 246,561 sq.yd. paving, 150,000 cu.yd. excav., 295,874 lin.ft. curbing, $500,000; 17.11 mi. road from Plant City to Picnic, 9 or 15 ft., 90,321 or 150,535 sq.yd. paving, 70,000 cu.yd. excav., 180,642 lin.ft. concrete or granite curbing, $230,000; 2.35 mi. Wimanma Rd., 9 or 15 ft., 12,440 or 20,714 sq.yd. paving, 8,000 cu.yd. excav., 24,880 lin.ft. concrete or granite curbing, $50,000; 15.13 mi. Citrus Park Rd., 9 or 15 ft., 79,906 or 133,176 sq.yd. paving, 159,812 lin.ft. granite or concrete curbing, $250,000; 3.56 mi. Armenia Ave., 15 ft., 31,333 sq.yd. paving, 8,000 cu.yd. excav., 37,600 lin.ft. curbing, $75,000; 2.02 mi. Waters Ave., 15 ft., 17,752 sq.yd. paving 6,000 cu.yd. excav., 21,302 lin.ft. concrete or granite curbing, $50,000; 14.74 mi. Interbay Rd., 15 ft., 129,627 sq.yd. paving, 40,000 cu.yd. excav., 165,630 lin.ft. concrete or granite curbing, $250,000; widening from 9 to 16 ft. and paving with brick, asphalt, sheet asphalt, asphaltic concrete or cement concrete 12.23 mi. River View Brick Rd., 16 ft., 61,832 sq.yd. old brick relayed 46,366 sq.yd. new paving, 24,000 cu.yd. excav., 125,200 lin.ft curbing, $200,000. A. Pimm, Court House, co. engr. Noted May 11.

Ala., Birmingham—Nov. 7, by C. Rogers, engr. Jefferson Co., resurfacing present brick pavement on 1 mi. 3rd Ave. from 12th to 18th Sts., 45 ft., 22,000 sq.yd. asphalt, $33,000; grading Toadvine Hill, 12,000 cu.yd. excav., $6,000.

Miss., Pascagoula—Nov. 21, by Bd. Supervs. Jackson Co. at office of Chancery Clerk, improving 8.444 mi. State Trunk Rd. between Moss Point and Alabama State Line, Federal Aid Project 126, Sect. A, 12.2 acres clearing, 7,052 cu.yd. common and 83,457 cu.yd. borrow excav., 177.12 cu.yd. concrete in culverts, 31.2 cu.yd. concrete in headwalls, 146.32 cu.yd. concrete in bridges, 89,038 sq.yd. concrete paving on concrete base course, 84,084 sq.yd. brick sheet asphalt, rock asphalt or asphaltic concrete. H. C. Dietzer, Jackson, state highway engr.

Louisiana—Nov. 7, by State Hy. Comn., Redmond Bldg., Baton Rouge, grading and gravel surfacing 14.5 mi. Ruston-Arcadia Highway, incl. 100 ft. steel span on concrete piers near Ruston.

Tennessee — Nov. 10, by State Dept. Highways, Nashville, improving 9.8 mi. road between Newport, Tenn., and North Carolina State Line, Federal Aid Project 23, 108,292 cu.yd. common, 37,067 cu.yd. solid rock, 3,480 cu.yd. borrow and 1,112 cu.yd. dry excav., 2,900 sq.yd. scarifying old macadam, 93,645 sq.yd. hand placed base course C, 1,949.92 cu.yd. concrete, 182,322 lb. deformed steel bars, bridges over 20 ft. span located as follows, sta. 565-57.5 two 20 ft. spans, sta. 799-10, three 18 ft. spans; 4.8 mi. road between Jacksboro and La Follette, Federal Aid Project 37, Sect. B, Campbell Co., 21,622 cu.yd. common, 7,913 cu.yd. solid rock and 956 cu.yd. dry excav., 1,184 sta.yd. overhaul, 50,669 sq.yd. one course plain cement concrete pavement, 676.11 cu.yd. concrete, 61,583 lb. deformed steel bars, etc. D. Q. McComb, Nashville, ch. engr.

Tenn., Altamont—Oct. 30, by Grundy Co. Hy. Com., grading 5½ mi. Pelham Valley Rd. from Franklin Co. line to foot of mountain in Paynes Cove. J. B. Cochran, co. engr. Noted Sept. 28.

O., Cleveland—Oct. 28, by Comrs. Cuyahoga Co., paving Brookpark Rd., $58,636; Short, Crossview and Chestnut Rds., $107,855. F. Lander, Court House, engr.

Illinois—Oct. 31, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 6.82 mi. Route 4, Sect. 5 Grundy-Will Co., 6.29 mi. Federal Aid Project 25, Sect. 6, Grundy Co., 13.11 mi. Route 4 and Federal Aid Project 25, Combination Q, Grundy-Will Co.; grading 46,700 yd. Route 16, Sect. 13-A, Shelby Co. C. H. Older, ch. highway engr. Noted Oct. 19.

Illinois—Oct. 31, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 5.2 mi. Route 3, Sect. 18, Rock Island Co., 18-20 ft.; 2.5 mi. Federal Aid Project 38, Sect. 47, Schuyler Co., 6.14 mi. Federal Aid Project 38, Combination S, Schuyler Co., 6.14 mi. Federal Aid Project 38, Combination T, Schuyler Co., incl. grading 1 section; all 18 ft.; grading 15,267 yd. Project 25, Sect. 6-A, Grundy Co., C. H. Older, ch. highway engr.

Ind., Evansville—Nov. 2, by aud. Vanderburgh Co., grading and graveling 15,400 ft. E. I. Smith Rd., 16 ft. $26,947. A. Pfafflin, Evansville, engr.

Ind., Ft. Wayne—Nov. 2, by aud. Allen Co., grading and paving with crushed stone and tarvia, 1.81 mi. Pruesse Rd., 16 ft. $29,235. A. W. Grosvenor, Ft. Wayne, engr. Noted Oct. 19.

Ind., Goshen—Nov. 2, by aud. Elkhart Co., grading and graveling 31,700 ft. County Unit Rd. 37, 16 ft., $35,805; graveling 15,883 ft. County Unit Rd. 11, 16 ft., $30,650. C. L. Kinney, Goshen, engr. Noted Oct. 19.

Ind., Goshen — Nov. 3, by aud. Elkhart Co., grading and paving 13,840 ft. Grimes Rd., 18 ft., 31,680 sq.yd. concrete on concrete, $74,460. C. L. Kinney, Goshen, engr.

Ind., Laporte—Nov. 4, by Auditor Laporte Co., grading and gravel surfacing 15,150 ft. Schumaker Rd., 16 ft. $28,964. P. Summy, Laporte, engr.

Ind., Logansport—Nov. 18, by aud. Cass Co., graveling 21,300 ft. John Long Rd., 16 ft. $31,974. J. Bennett, Logansport, engr. Noted Oct. 19.

Ind., Monticello—Nov. 8, by aud. White Co., grading and graveling 15,555 ft. Burley Rd., 16 ft. $33,509. G. A. Thomas, Monticello, engr. Noted Oct. 19.

Ind., Warsaw—Nov. 6, by aud. Kosciusko Co., grading and graveling 13,740 ft. Perry Dull Rd., $26,172; 12,200 ft. Shroyer Rd., $25,855; 15,150 ft. Welty Rd., $28,056; 14,100 ft. Baugher Rd., $25,344; 14,280 ft. Shook Rd., $27,442; all foregoing 18 ft. S. S. Boggs, Warsaw, engr.

Ia., Ft. Madison—Oct. 31, by Auditor Lee Co., grading 23.553 mi. Primary Rd. Project 149, from Keokuk northwest, also branch to Montrose, 233,431 cu.yd. excav.

Minn., Duluth—Nov. 9, by F. W. Borgen, aud. St. Louis Co. graveling 20 mi. State Rd. 35 between Tower and Ely., 30 ft. R. W. Acton, Courthouse, engr.

Kan., Great Bend—Oct. 30, grading and paving Washington St., 7,500 sq.yd. paving, 3,250 ft. curb and gutter and 3,120 ft. curb. Bids on brick, asphaltic concrete and concrete.

Kan., Topeka—Nov. 7, by Comrs. Shawnee Co. paving 4.3 mi. Capitol Highway, Federal Aid Project 46, Sect. A, 43,031 yd. concrete, brick or bituminous macadam, 6,000 yd. excav.; 43,298 yd. Meridian Spur Rd., Federal Aid Project 86, concrete, brick or bituminous macadam, 6,000 yd. excav. A. C. Legerwall, co. engr. Noted Oct. 12.

Mo., Lamar—Oct. 30, by Comrs. Barton Co., grading and laying Joplin chats, etc., on 1½ mi. road from Missouri state line to Minden Mines, 16 ft. R. Dunlap, Lamar, div. engr.

Tex., Austin—Oct. 31, by G. S. Mathews, judge Travis Co. surfacing 1½ in. bituminous topping, 5½ in. crushed stone base, 3.2 mi. State Highway 20 between here and Manor, 16 ft., 2,608.6 cu.yd. concrete, 686 cu.yd. earth excav., 4,602.6 cu.yd. stone, quarried, crushed and hauled, 28,183.3 sq.yd. bituminous macadam, 18,902 lb. reinforcing and 83,270 lb. structural steel. $53,000. O. Leonard, co. engr.

Tex., Daingerfield—Oct. 31, by J. W. Cason, judge Morris Co. clearing, grading and gravel surfacing 2.81 mi. State Highway 1 from Naples to county line, 16 ft., 26,510 cu.yd. earth excav., 3,667 cu.yd. borrow, 388.7 cu.yd. concrete, 34,740 lb. reinforcing, 5,859 cu.yd. gravel furnished by county. $37,200. J. V. Curnutte, Sims, engr.

Okla., Marietta—Nov. 2, by C. W. Cameron, mayor, 25,100 sq.yd. paving, 16,200 ft. curb and gutter, 10,160 cu.yd. excav., 1,320 ft. headers, 240 ft. c.i. culverts. Elrod Eng. Co., Interurban Bldg., Dallas, Tex., engrs.

Utah—Nov. 6, by State Rd. Comn., Salt Lake City, grading and gravel surfacing 7.8 mi. road from Morgan to Patterson, Federal Aid Project 41, 18 ft., Morgan Co., 61,530 cu.yd. excav. $62,000. H. C. Means, state highway engr.

California—Nov. 6, by State Hy. Comn., Sacramento, surfacing 0.5 mi. highway through Tipton, Tulare Co., 850 ton asphaltic concrete. A. B. Fletcher, state highway engr.

Calif., Fresno—Nov. 6, by Supervs. Fresno Co., improving 1.053 mi. Ventura Ave., alternative bids for 5 in. cement concrete pavement and 3½ in. asphaltic concrete base with warrenite and Fresno County Type A surface, Proposition 1, includes 7,165 cu.yd. excav., 1,729 cu.yd. 5 in. concrete pavement, 112,023 sq.ft. surfacing for above paving, 1½ in. thick, Proposition 2, 7,165 cu.yd. excav., 112,023 sq.ft. 3½ in. concrete base with 1½ in. warrenite bitulithic or Fresno County Type A surface; grading and paving with gravel macadam, to be olled, rolled, 2 grades of oil 60 per cent and 90 per cent and topped with screenings, 4.97 mi. road through Riverdale, 8,020 cu.yd. excav., 14,633 ton gravel macadam; grading and paving with asphaltic concrete base, 1½ in. warrenite bitulithic or Fresno County Type A surface, 2.494 mi. road from Camden to Riverdale, 4,420 cu.yd. excav., 210,970 sq.ft. pavement, etc. C. Jensen, Cory Bldg., engr. Noted Aug. 24.

Calif., Santa Rosa—Nov. 14, by Supervs. Sonoma Co., improving 3.05 mi. Petaluma-Sonoma Highway, Sect. B, 9,000 cu.yd. excav., 2,680 cu.yd. crushed rock, 32,166 sq.yd. asphaltic surfacing, etc.; 13.35 mi. Guerneville-Jenner Highway, 89,000 cu.yd. excav., 500 cu.yd. concrete, 2,000 sq.ft. R. W. log cribbing, incl. ¾ in. drift pins, 2,000 lin.ft. 12 in., 1,000 lin.ft. 18 in., 2,000 lin.ft. 15 in. and 100 lin.ft. 24 in. corrugated metal pipe, 3,000 cu.yd. crushed rock or gravel. E. A. Peugh, co. surv. Noted Sept. 28.

Calif., Santa Rosa—Nov. 14, by Supervs. Sonoma Co., improving 1.79 mi. road from Sonoma to State Highway Rd., Sect. B, 19,000 sq.yd. asphalt surfacing, 3,500 cu.yd. excav., 1,580 cu.yd. crushed rock, etc.; 1.04 mi. Dry Creek Rd., Sect. B, 4,000 cu.yd. excav., 9,780 sq.yd. asphalt surfacing, etc.; 0.58 mi. Geyserville-Kimtown Rd., Sect. A, between State Highway and Russian River, 1,400 cu.yd. excav., 510 cu.yd. crushed rock, 6,110 sq.yd. asphalt surfacing, etc. E. A. Peugh, co. surv.

Calif., Stockton—Nov. 7, by Supervs. San Joaquin Co., improving 2½ mi. Rd. Dist. Impvt. 4, near town of Victor, 3,060 cu.yd. grading, 5,500 ton crushed rock, 830 ton pea gravel, 700 bbl. asphaltic oil, 10 cu.yd. concrete, $25,000; improving road in Dist. 5 near town of Victor, 1,000 cu.yd. grading, 2,200 ton road gravel, 360 ton pea gravel, 300 bbls. asphaltic oil. F. E. Quail, co. surv.

Que., Pointe Claire—Oct. 31, at Town Hall, 9,500 lin.ft. macadam road and grading 12,500 lin.ft. various streets, also 3,700 ft. macadam road on part of Sources Rd. within limits of Dorval and Pointe Claire. O. Beaudouin, 71a St. James St., Montreal, civil engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Oct. 19, grading, curbing and flagging (1) Bay Ridge Ave. (2) Clinton Pl. (3) Ave. H (4) Kings

Streets and Roads (Continued)

Highway (5) East 19th St (6) 76th. St. (7) Rutland Rd. (8) 76th St. (9) 58th St. (10) 77th St. (11) Narrows Ave. (12) 88th St. (13) 77th St. paving (14) Kingston Ave. (15) East 12th St. (16) Kings Highway (17) East 37th St. (18) East 8th St. (19) Clinton Pl. (20) Midwood St. (21) East 8th St. (22) East 7th St. (23) Newport St. (24) New Utrecht Ave. (25) Ave. R, grading and paving (26) Rutland Rd. (27) Ave. S (28) Sneideker Ave. (29) Montgomery St. (30) 77th St. (31) 77th St. (32) 78th St. (33) 86th St. (34) 88th St. (35) 83rd St., all foregoing permanent asphalt on 6 in. concrete, from

Grimm Constr. Co., 170 McKinley Ave., (1) $4,366 (2) $1,289 (3) $2,475 (4) $3,488 (6) $4,020 (7) $5,393 (9) $1,100 (10) $1,019.

F. Persicano, 350 Fulton St., (1) $4,396 (2) $1,383 (3) $2,253 (4) $3,676 (5) $3,745 (6) $3,877 (10) $802 (13) $3,054.

L. Mangeri, 190 31st St., (1) $4,537 (6) $3,969 (9) $1,282 (11) $16,094 (12) $7,351 (13) $3,197.

T. B. Scott, 671 Halsey St., (2) $1,382 (9) $1,227 (12) $7,813 (13) $3,090.

J. F. Winter, Jr., (2) $1,521 (10) $974.

G. M. Mandatto, 129 29th St., (3) $2,417 (5) $3,689 (6) $4,027 (7) $5,689 (8) $5,256 (9) $1,271.

C. Gallagher, 745 Dean St., (4) $3,426 (12) $7,677.

Castle Bros., Inc., Johnson Pl., (5) $3,435 (7) $5,696 (11) $16,580.

Caponi Contg. Co., 1320 25th St., (11) $15,445.

Sicilian Asphalt Paving Co., 41 Park Row, New York City, (14) $10,792 (20) $13,080 (23) $5,191 (26) $14,202 (28) $5,382 (29) $7,919.

Cranford Co., 52 9th St., (14) $11,273 (15) $8,145 (16) $18,649 (17) $4,040 (18) $8,094 (19) $2,378 (20) $13,561 (21) $15,663 (22) $7,548 (23) $5,314 (24) $6,520, (25) $3,892, (27) $2,982, (28) $5,438 (29) $8,239 (30) $4,202 (31) $5,547 (32) $6,766 (33) $31,714 (34) $17,772 (35) $7,062.

Cleveland Trinidad Paving Co., Flushing, (14) $11,342 (19) $2,387 (24) $6,291 (26) $14,936 (28) $5,561.

Borough Asphalt Co., 1301 Metropolitan Ave., (15) $8,354 (16) $19,104 (17) $4,447 (18) $8,299 (19) $2,357 (20) $14,003 (21) $16,061 (22) $7,755 (23) $5,491 (24) $6,629 (25) $4,047 (27) $3,100 (30) $4,106 (31) $5,421 (32) $7,192 (33) $31,872 (34) $17,813 (35) $7,004.

Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (15) $8,482 (16) $19,381 (17) $4,212 (18) $8,423 (20) $13,693 (21) $16,303 (22) $7,870 (25) $4,047 (26) $14,817 (27) $3,055 (29) $8,316 (30) $4,146 (31) $5,473 (32) $6,683 (33) $31,060 (34) $17,-393 (35) $6,824. Noted Oct. 12.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids Oct. 23, grading, (1) Hallett St., paving (2) 101st St. (Jerome Ave.), (3) 115th St. (4) 5th St., grading, curbing and laying sidewalks on (5) 126th St. (6) 115th St. (7) Beach 25th St., from J. Condon, 241 Carmelia Ave., Astoria, (1) $12,670; Welsh Bros. Contg. Co., 32 Queens St., Astoria, (1) $15,347; Peconca Eng. & Contg. Co., (1) $17,612; Boro Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (2) $28,-105 (3) $11,810; Cranford Co., 52 9th St., Brooklyn, (2) $28,894 (3) $12,455; W. P. McDonald, Inc., 17 West 42nd St., New York, (3) $13,330; F. J. Clancy, 460 Lockwood St., Astoria, (4) $22,090 (6) $6,725; Peace Bros., Inc., 20 Main St., Flushing, (4) $23,255 (6) $6,995; Kennedy & Smith, 93 Amity St., Flushing, (4) $23,840; Soviero & Britten, 10111 114th St., Richmond Hill, (5) $4,296 (6) $6,790; H. J. Mullen Contg. Co., Jamaica Ave. and 144th St., Jamaica, (5) $4,348; Galeor Contg. Co., (5) $4,580 (7) $6,920; R. A. Hess, Inc., 14 Queens St., Astoria, (7) $6,305; E. Block, (7) $7,960. Noted Oct. 19.

N. Y., New York—Dept. Parks, Municipal Bldg., opened bids Oct. 19, furnishing and setting curb-stones and paving with sheet asphalt roadway of Morningside Dr., from C. D. Beckwith, 2875 Bway., $62,150; Asphalt Constr. Co., 208 Bway., $63,076; Interboro Asphalt Co., 233 Bway., $71,476. Noted Oct. 12.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, opened bids Oct. 17, repaving (1) Castleton Ave. from Burgher to Bard Aves. (2) Castleton Ave. from Bard to Cebra Aves. (3) Richmond Ave. from John St. to Washington Ave., all bituminous concrete, from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, (1) $32,-352 (2) $53,486 (3) $28,335; W. P. McDonald, 342 Madison Ave., New York, (1) $32,568 (2) $54,001 (3) $28,211; J. Johnson Sons, 455 Bway., West New Brighton, (1) $35,945 (2) $59,681 (3) $32,500. Noted Oct. 12.

N. Y., Syracuse—Bd. Contract & Supply, opened bids Oct. 16, paving with (a) asphalt (b) bituminous concrete (c) concrete, (1) Jasper St. from Highland St. to end of street (2) Kellogg St. from Slocum to Delaware Sts. (3) Merriman Ave. from Messena to Geddes Sts. (4) Shuart Ave. from Sedgwick to Teall Aves. (5) Teall Ave. from James to Peck Sts. (6) Shotwell to Melrose Aves. (7) Highland St. from Highland to Park Aves. (8) Grand Ave. from Delaware St. to city line (9) Coleridge Ave. from Wilbur to Whittier Aves. (10) East Castle St. from South State St. to Renwick Ave., resurfacing (11) Walnut St. from Harrison to University Pl. (12) South Crouse St. from Fayette St. to University Pl., from G. B. Dickison, Union Bldg., (1a) $24,009 (1b) $23,429 (3a) $20,-488 (3b) $20,007 (7a) $27,612 (7b) $26,912 (10a) $21,004 (10b) $20,570 (12a) $43,385 (12b) $44,768; C. T. Hookway, Bastle Bldg., (1a) $25,222 (1b) $24,646 (2a) $31,-136 (2b) $30,528 (3a) $19,992 (3b) $19,629 (4a) $31,695 (4b) $31,104 (5a) $24,105 (5b) $23,585 (6a) $17,114 (6b) $16,800 (9a) $46,426 (9b) $45,522 (10a) $20,596 (10b) $20,168 (11a) $38,880 (12a) $42,840 (12b) $43,141; Dale Eng. Co., Mann Bldg., Utica, (1a) $25,414 (1b) $24,937 (2a) $31,-385 (2b) $30,711 (5a) $25,189 (5b) $24,611 (7a) $29,135 (7b) $28,554 (9a) $46,418 (9b) $45,323; J. H. Gallup, Union Bldg., (2a) $30,731 (2b) $29,743 (3a) $19,215 (3b) $18,-620 (4a) $32,483 (4b) $31,626 (6a) $17,448 (6b) $16,930 (7a) $28,763 (7b) $27,792 (8c) $38,867 (10a) $25,352 (10b) $19,727 (11a) $41,609 (11b) $41,680 (12a) $46,935 (12b) $47,291; F. J. Baker, University Blk., (4a) $31,226 (4b) $30,514 (5a) $24,202 (5b) $23,516 (6a) $16,839 (6b) $16,522 (9a) $45,758 (9b) $44,467 (11a) $41,828 (11b) $38,911; J. C. Dempsey, 308 East Kennedy St., (8c) $42,372; Mondo Constr. Co., City Bank Bldg., (8c) $44,187. Noted Oct. 5.

Pennsylvania—State Hy. Dept., Harrisburg, opened bids Oct. 17, building 29,200 ft. one course rein-con. and hillside vitr. brick, on Route 187, Wilkins, Penn and Patton Twps., Allegheny Co., from R. H. Cunningham & Sons Co., 617 Penn Ave., Turtle Creek, $383,216, H. W. Horst Co., Horst Bldg., Rock Island, Ill., $418,211, Corrado & Galiardi, Colonial Natl. Bank, Connellsville, $488,029; 5,621 ft. one course rein.-con. on Routes 70 and 72, Shaler Twp., Allegheny Co., from Burgess & Dorrier, Scottsville, Va., $151,443, Fort Pitt Constr. Co., 207 Martin Bldg., Federal St., Pittsburgh, $163,970, W. H. Wilkey, 317 Fayette Title & Trust Bldg., Uniontown, $270,171; 22,107 ft. one course rein.-con., Route 214, Bradys Bend Twp., Armstrong Co., from D. Schoentag, Inc., 68 Ulster Ave., Saugerties, N. Y., $206,762, R. V. Baldwin, 1361 4th Ave., Coraopolis, $214,436, S. Gamble Co., Glass St., Carnegie, $214,596; 2,689 ft. one course rein.-con. and Hillside vitr. brick, Route 77, Homewood Boro, Beaver Co., from A. Dahl, 425 Wayne Ave., Ellwood City, $56,184, McQuiston Paving & Constr. Co., 514 Spearman Ave., Farrell, $56,339, M. J. Scanlon, 16 Cherry St., New Castle, $67,919; 21,978 ft. one course rein.-con. or bituminous surface on concrete, Route 243, Industry Twp., Beaver Co., from H. Renick, Williamsport, O., $207,672, Connell, Laub & Bracht, Zelienople, $209,859, D. Schoentag, Inc., 68 Ulster Ave., Saugerties, N. Y., $211,-330; 16,500 ft. one course rein.-con. or bituminous surface on concrete, Route 243, Borough and Industry Twps., Beaver Co., from D. Schoentag, 68 Ulster Ave., Saugerties, N. Y., $177,231, Connell, Laub & Bracht, Zelienople, $178,766, H. Renick, Williamsport, O., $178,811; 11,237 ft. one course rein.-con., Application 1664, Richmond Twp., Berks Co., from Juniata Co., 410 Empire Bldg., 13th and Walnut Sts., Phila., $75,995, Peconco Eng. & Contg. Corp., 1170 Bway., New York City, $79,559, Fish-Rutherford, Inc., 702 Real Estate Trust Bldg., Phila., $82,126; 26,506 ft. one course rein.-con. or bituminous surface on concrete, Route 4, Scott and Center Twps., Columbia Co., from Trinidad Asphalt Paving Co., Larksville, $185,688, Highway Constr. Co., 1835 Land Title Bldg., Phila., $197,965, H. B. Sproul Constr. Co., Inc., 218 Adams Ave., Scranton, $203,136; 21,788 ft. one course rein.-con. or bituminous surface on concrete, Route 4, Center Twp. and Briar Creek Boro., Columbia Co., from Trinidad Asphalt Paving Co., Larksville, $161,746, B. G. Coon Constr. Co., 274 Union St., Luzerne, $172,317, Highway Constr. Co., 1835 Land Title Bldg., Phila., $173,189; 1,921 ft. one course rein.-con. and Hillside vitr. brick, Application 1958, Brookville Boro., Jefferson Co., from W. C. Quick & Co., Brookville, $43,511, L. H. Hileman Constr. Co., 217 First Natl. Bank Bldg., New Kensington, $47,192, Minns Bros., 601 First St., DuBois, $47,763; 5,861 ft. one course rein.-con. or bituminous surface on concrete, Application 1975, Old Forge Boro., Lackawanna Co., from M. Rosato & Son Co., 1145 Sloan Ave., Scranton, $40,224, Boyle Constr. Co., 401 Bennett Bldg., Wilkes-Barre, $44,-256, B. G. Coon Constr. Co., 274 Union St., Luzerne, $46,091; 1,452 ft. one course rein.-con., Application 2095, Rou[illegible]344 Quarryville Boro., Lancaster C[illegible] from Swanger-Fackler Constr. Co., Inc., [illegible]d and Canal Sts., Lebanon, $14,801, [illegible]eavy Bros. Co., 9 Penegar Bldg., C[illegible]ville, $14,830, Souder Constr. Co., 349 W[illegible]worth Bldg., Lancaster, $14,878; 2,893 [illegible] one course rein.-con. Route 77, New C[illegible] City, North Beaver Twp., Lawrence C[illegible] from Jamieson & Narlee, Fredonia, $26,2[illegible] H. V. Kirker Co., Beaver Falls, $26,67[illegible] M. J. Scanlon, 16 Cherry St., New Castle, $27,073; 24,077 ft. one course rein.-con., Route [illegible]26, Application 1523, North Whitehall and Heidelberg Twps., Lehigh Co., from Juniata Co., 410 Empire Bldg., Phila., $170,478; Peconco Eng. & Contg. Corp., 1170 Bway., New York City, $172,016, W. C. Guncheon & Co., Smethport, $175,174; 2,023 ft. one course rein.-con., Application 2107, Hickory Twp., Mercer Co., from Jamieson & Narlee, Fredonia, $18,088, McQuiston Paving & Constr. Co., Inc., 514 Spearman Ave., Farrell, $18,997, Minteer & Anderson, New Wilmington, $22,121; 7,051 ft. bituminous macadam on broken stone, Application 1963, Pocono and Paradise Twps., Monroe Co., from H. B. Sproul Constr. Co., Inc., 218 Adams Ave., Scranton, $37,680, Boyle Constr. Co., 401 Bennett Bldg., Wilkes-Barre, $46,005, W. R. Wolfinger, Norristown, $49,279; 4,786 ft. one course rein.-con. and Hillside vitr. brick, Route 165, Bangor Boro., Northampton Co., from Neumyer Bros., 1416 East 4th St., Bethlehem, $62,-315, H. B. Sproul Constr. Co., Inc., 218 Adams Ave., Scranton, $70,836, McInerney & McNeal, Inc., 702 Northampton Natl. Bank Bldg., Easton, $74,428; 4,108 ft. one course rein.-con., Application 1981, Rouseville Boro., Venango Co., from F. S. Wilson, Kittanning, $44,434, H. P. Streicher Co., 319 Terminal Bldg., Toledo, O., $57,274; 20,274 ft. one course rein.-con. and Hillside vitr. brick, Routes 250 and 333, Fairview and Newberry Twps., York Co., from Kumer & Graeber, Shamokin, $215,365, Souder Constr. Co., 349 Woolworth Bldg., Lancaster, $225,957, W. C. Guncheon & Co., Smethport, $227,781; 22,640 ft. one course rein.-con. and Hillside vitr. brick, Routes 250 and 333, Fairview Twp., York Co., from Kumer & Graeber, Shamokin, $261,549, W. C. Guncheon & Co., Smethport, $273,678, W. H. Murphy & Sons, 2100 State St., Harrisburg, $280,376; rein.-con. bridge with four 38 ft. clear spans, Sta. 1112, Sugar Creek Twp., Venango Co., from Trimpey & Whipkey, Casselman, $20,188, Milliron Constr. Co., DuBois, $26,463, A. C. Bailey, 210 9th St., Philipsburg, $27,271.

Florida — State Hy. Dept., Tallahassee, surfacing (1) highway between Sharpes and Titusville, Brevard Co., (2) road between Bonaventure and Eau Gallie, Brevard Co., (3) road between Lake City and Welborn, Columbia and Suwannee Counties, 16 ft., (a) bituminous macadam, (b) sheet asphalt, from Maule Paving Co., Orlando, (1a) $243,637 (2a) $239,307; J. F. Morgan Paving Co., Jacksonville, (street address not available), (1a) $246,607 (1b) $271,735 (2a) $241,518 (2b) $266,683 (3a) $292,084 (3b) $322,571; J. Y. Wilson, Clark Bldg., Jacksonville, (1a) $256,296; W. P. McDonald, Orlando, (1b) $246,281 (2b) $243,263 (3a) $301,883 (3b) $308,689; E. C. Langston, Palatka, (1b) $282,644; Noll & Noll, Crescent City, (2a) $251,737 (2b) $274,681; Barber-Fortin Co., Gainesville, (3a) $295,-486. Noted Oct. 12.

O., Cleveland—Cuvahoga Co. grading Royalton Rd., from Petro Di Giorio, Irene Ave., $9,583; Cedar Rd. from J. W. Chapman, Cleveland Heights, $11,004; Chardon Rd. from J. Lehman, Pavers Exch., Society for Savings Bldg., $7,000. Work involves 19,000 cu.yd. earth excav.

O., North Olmsted—Opened bids Oct. 14, grading and laying (a) stone (b) concrete sidewalks on (1) Lorain Rd. (2) Clague Rd., from Cleveland Stone Co., 1836 Euclid Ave., Cleveland, (1a and 2a) $49,220; E. Cesa, 2462 Baldwin Rd., Cleveland (1b) $40,331. Noted Oct. 5.

O., Wickliffe—Opened bids Oct. 2, grading and laying 52,500 sq.ft. (a) concrete or (b) stone sidewalks on Taylor Rd. and Euclid Ave., from F. B. Stein, Euclid, (a) $19,947, Cleveland Stone Co., 1836 Euclid Ave., Cleveland, (b) $22,318. Noted Sept. 28 under "Waterworks."

Ind., Princeton—Gibson Co. crushed stone surfacing 36,187 ft. Graper Rd. and grading and gravel surfacing 20,086 ft. Barrett Rd., both 16 ft., from Thomas & Knowles, Princeton, $62,874 and $41,100 respectively. Noted Oct. 5.

Mich., Detroit—Opened bids 3½ in. sheet asphalt pavement on 18 in. concrete, (1) Broadstreet Ave. (2) Cherrylawn Ave. (3) Davison Ave. (4) Dumbarton Rd. (5) Greendale Ave. (6) Goddard Ave. (7) Leuschner Ave. (8) Rochester Ave., from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $44,260 (2) $9,806 (3) $18,689 (4) $26,908 (5) $37,923 (6) $13,255 (7) $20,692 (8) $42,856; Cleveland Trinidad

Streets and Roads (Continued)

Paving Co., 402 Hammond Bldg., (1) $47,459 (2) $10,334 (3) $51,840 (4) $28,432 (5) $38,619 (6) $13,534 (7) $21,505 (8) $41,716; G. R. Cooke, 1260 Penobscot Bldg., (3) $49,322 (5) $36,885 (6) $13,072.

Missouri—State Hy. Dept. at div. office Chillicothe, opened bids Oct. 6, 6.015 mi. road from Chillicothe, northerly, 24 ft., State Project 20.190, Livingston Co., (a) 41,362 cu.yd. earth excav., (b) 17,680 cu.yd. borrow, etc., from E. P. Olson, 2901 Monterey St., St. Joseph, (a) $0.30 per cu.yd., (b) $0.26, total, $25,144; A. L. Cook, Ottawa, Kan., (a) $0.31 (b) $0.31, $25,232; Diemer Williamson Constr. Co., Brookfield, (a) $0.30 (b) $0.30, $25,842. Noted Sept. 28.

Missouri—State Hy. Dept. at div. office Gallatin, opened bids Sept. 26, 12.32 mi. road from Winston-Gallatin to Trenton, 24 ft., State Aid Project 20.206, Daviess Co., (1) 54,497 cu.yd. earth excav. (2) 10,261 cu.yd. borrow, etc., from Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., (1) $0.30 per cu.yd. (2) $0.30, total $38,539; G. E. Sampson, Pickett Rd., St. Joseph, (1) $0.35 (2) $0.35, $42,032; Cook-O'Brien Constr. Co., 305 Ry. Exch., Kansas City, (1) $0.36 (2) $0.34, $42,388. Noted Sept. 14.

Missouri—State Hy Dept. at div. office Liberty opened bids Sept. 25, 10.6 mi. road north of Kansas City to Liberty, Federal Aid Project 99, Clay Co., (1) concrete paving (2) waterbound macadam paving, from Amer. Paving Co., 411 Finance Bldg., Omaha, Neb., (1) $315,196; Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., (1) $316,182; Carterville Constr. Co., Carterville, (1) $316,476; Unit Constr. Co., Title Guarantee Bldg., St. Louis, (2) $269,566. Noted Sept. 14.

Tex., Dallas—Dallas Co. grading, surfacing and topping 14.12 mi. State Highway 6, Lancaster Pike, 20-22 ft., (a) 2 in. modified Topeka mixture, (b) Uvalde rock asphalt, (c) Oklahoma rock asphalt, (d) Amiesite, (e) bitulithic, (f) warrenite, (g) sheet asphalt, from Wear & Thomas, Rogers, and Texas Road Co., Southwestern Life Bldg., a) $380,023 (b) $407,538 (c) $391,352 (d) $375,167 (e) $376,786 (f) $436,961 (g) $418,868; Smith Bros., Sumpter Bldg., (a) $398,879 (b) $419,920 (c) $403,735 (d) $387,549 (e) $389,168 (f) $439,343 (g) $431,242; Hill, Wilson & Watson, 503 Slaughter Bldg., (a) $411,333 (b) $424,282 (c) $408,096 (d) $391,910 (e) $393,529 (f) $443,703 (g) $435,611.

Tex., Johnson City — Blanco Co. clearing, grading and gravel surfacing 5.99 mi. Austin-Fredericksburg Highway, 18 ft., from H. J. Evans, 602 West 6th St., Austin, $46,691; C. F. Tom, Gonzales, $48,148; G. Alvis, Winnsboro, $50,896. Noted Oct. 5.

Tex., Orange—Orange Co. opened bids grading and surfacing (a) gravel, (b) shell, (c) does not include surfacing, (1) 4.25 mi. Lower Beaumont Rd., 14-18 ft. (2) 10.66 mi. East Texas Highway 8, 18-24 ft. (3) 7.3 mi Mauriceville Rd., 16 ft. (4) 4.15 mi. Oil Field Rd., 18 ft. (5) 3.12 mi. city street extensions 18 ft., from Walling, Havalson & Adams, Carter Bldg., Houston, (1c) $14.333 (2c) $12,527 (3) $21,460 (4c) $13,874 (5) $84,087; Houston Constr. Co., 3102 McKinney Ave., Houston, (1a) $43,306 (1b) $43,615 (2a) $37,778 (2b) $38,862 (3a) $78,499 (3b) $80,848 (4a) $41,061 (4b) $41,971 (5) $115,662; Smith Bros., Crockett, (1a) $44,446 (1b) $44,949 (2a) $39,353 (2b) $40,398 (3a) $80,924 (3b) $82,959 (4a) $42,371 (4b) $43,431 (5) $119,449. Noted Sept. 28.

Tex., Palo Pinto—Palo Pinto Co. grading and surfacing 3.99 mi. Bankhead Highway, State Highway 1 18 ft., from T. J. Green, Mineral Wells, $72,474; Tibbetts Constr. Co., 209½ West 8th St., Ft. Worth, $75,598; McClung Constr. Co., Cleburne, $77,757. Noted Oct. 5.

Oregon—State Hy. Comn., Salem, grading and surfacing (1) Lamms Mills Mill-Fort Klamath Sect., Dalles-California Highway, Klamath Co., Unit 1, 9.57 mi. grading, 44,000 cu.yd. common, 250 cu.yd. intermediate and 250 cu.yd. solid rock excav., etc., Unit 2, 9.47 mi. grading and surfacing, 45,000 cu.yd. excav., 18,500 cu.yd. broken stone, etc., (2) 2.8 mi. bituminous resurfacing Rice Hill Sect., Pacific Highway, Douglas Co., 28,500 sq.yd. bituminous concrete, etc., (3) grading 3 mi. Bear Creek Sect., Oregon Caves Highway, Josephine Co., 13,700 cu.yd. common, 7,300 cu.yd. intermediate and 2,000 cu.yd. solid rock excav., etc., (4) grading and surfacing 2.63 mi. Unit B, Clatsop Co. Line, Mohler Sect., Coast Highway, Tillamook Co., 21,600 cu. yd. common, 6,200 cu.yd. intermediate and 2,000 cu.yd. solid rock excav., 6,000 cu.yd. broken stone, etc., (5) 4.73 mi. grading Parkersburg Sect. Coast Highway, Coos Co., 117,000 cu.yd. common, 19,000 cu.yd. intermediate and 4,000 cu.yd. solid rock excav., from K. K. Hodgman, Cleveland, O., (street address not available), (1) Unit 1 for concrete pipe $51,924, corrugated $51,203; W. D. Miller, Klamath Falls, (1) Unit 1 concrete $59,351, corrugated $57,939, Unit 2, concrete $97,287, corrugated $95,744, Units 1 and 2 combined concrete $153,414, corrugated $150,452; J. L. Calvert, Grants Pass (1) Unit 1 concrete $65,052, corrugated $64,793, Units 1 and 2, concrete $168,801, corrugated $168,485; Dunn & Baker, Oretown, (1) Unit 2, concrete $83,097, corrugated $82,834; Warren Constr. Co., Park Rose, Portland, (1) Unit 2 concrete $102,196, corrugated $100,665 Units 1 and 2 combined, concrete $174,254, corrugated $171,223 (2) $46,545; V. R. Dennis Constr. Co., McMinnville, (2) $41,625; J. H. Crane (address not available), (2) $35,175; Wolke & Schroeder, Grants Pass, (3) $27,763; J. L. Logan, Grants Pass, (3) $28,508; J. C. Kincaid, Grants Pass, (3) $31,478; Tillamook Co. Court, Tillamook, (4) $38,207; Solem & Gustafson, Astoria, (4) $42,771. D. B. Plymate, Bandon, (5) concrete $73,662, cedar $68,468; Hagquist & Bjorquist, Marshfield, (5) concrete $76,500, cedar $74,515; Payne & Padrick, Marshfield (5) concrete $75,950, cedar $72,470.

California—State Hy. Comn., Sacramento, grading and 5 in. gravel surfacing 13.5 mi. road between Sneath Rd. and Half Moon Bay Rd., (1) 272,400 cu.yd. excav. (2) 34,290 cu.yd. gravel surfacing (3) 1,155 cu.yd. Class A portland cement concrete (culverts and monuments) (4) 210 cu.yd. Class C portland cement concrete (retaining walls), etc., from P. L. Burr, 512 Mission St., San Francisco, (1) $0.68 (2) $3.25 (3) $24 (4) $20, total $336,814; J. P. Holland, San Francisco, (street address not available) (1) $0.69 (2) $3.24 (3) $25 (4) $25, total $341,577; J. Phillips, 1909 4th Ave., Sacramento, (1) $0.65 (2) $3.65 (3) $25 (4) $25, total $345,783. Noted Sept. 28.

Calif., Fresno—Supervs. Fresno Co., improving 2.14 mi. Mountain Rd., 3 mi. north east of Auberry, in Canyon of San Joaquin River, from Isbell Constr. Co., Bank of Italy Bldg., $31,749; M. J. Bevanda, Auburn, $41,955; Frederickson & Shannon, Cory Bldg., $48,226. Noted Oct. 5.

Calif., Oakland—Improving 14th St. between Peralta and Pearl Sts., (a) 61,924 sq.ft. grading (b) 229 ft. concrete curb with steel guard (c) 2,217 ft. concrete curb without steel guard (d) 2,632 ft. concrete gutter (e) 59,292 ft. asphaltic concrete pavement, etc., from Warren Constr. Co., Bacon Bldg., (a) $0.07 (b) $1.45 (c) $1.25 (d) $0.35 (e) $0.315; Hutchinson Co., 1706 Bway., (a) $0.06 (b) $1.60 (c) $1.30 (d) $0.39 (e) $0.31; Oakland Paving Co., 5000 Bway., (a) $0.06 (b) $1.38 (c) $1.20 (d) $0.315 (e) $0.311; Bates & Borland, Oakland Bank of Savings Bldg., (a) $0.06 (b) $1.35 (c) $1.30 (d) $0.30 (e) $0.30. Noted Sept. 21.

Que., Montreal — R. Bauset, city clk., opened bids asphalt pavements (a) grading (b) concrete foundation (c) 3 in. asphalt, (1) Casgrain St. from Maguire St. to Canadian Pacific Ry., 8,300 sq.yd., (2) Lacasse St. from St. Jacques to Richilieu Sts., 2,100 sq.yd., (3) Dechateaubrland St. from Gaston to Mistral Sts., 6,300 sq.yd., (4) Des Erables St. from Mt. Royal to Gilford Sts., 3,500 sq.yd., (5) Regent St. from St. James St. to Canadian Pacific Ry., 3,643 sq.yd., (6) Belmore St. from Sherbrooke to Terrebonne Sts., 2,600 sq.yd., (7) Bordeaux St. from Gauthier to Rachel Sts., 2,066 sq.yd., from Sicily Asphaltum Paving Co., 60 St. Viateur St., (1a) $0.80 (1b) $1.65 (1c) $1.65, total $38,242, (2a) $1 (2b) $1.70 (2c) $1.80, total $11,925, (3a) $1 (3b) $1.70 (3c) $1.62, total $37,836, (4a) $1 (4b) $1.65 (4c) $1.75, total $18,941, (7a) $1.10 (7b) $1.65 (7c) $1.62, total $10,748; B. Brault Ltd., 2855 Rosemount Blvd., (1a) $0.90 (1b) $1.75 (1c) $1.71, total $39,967, (2a) $1,05 (2b) $1.75 (2c) $1.80, total $12,325, (3a) $0.90 (3b) $1.75 (3c) $1.55, total $35,855, (4a) $0.90 (4b) $1.70 (4c) $1.65, total $18,160, (5a) $1.20 (5b) $1.80 (5c) $1.80, total $17,486, (6a) $1.20 (6b) $1.80 (6c) $1.80, total $13,830, (7a) $0.90 (7b) $1.70 (7c) $1.45, total $9,912; Quinlan, Robertson & Janin Ltd., 52 Duluth Bldg., (2a) $1.25 (2b) $1.75 (2c) $1.80, total $12,480, (5a) $1.15 (5b) $1.80 (5c) $1.75, total $17,122, (6a) $1.25 (6b) $1.75 (6c) $1.75, total $13,550; concrete sidewalks incl. (a) grading (b) stone foundation (c) concrete foundation (d) wearing surface, 8) Notre Dame de Grace Ave. from Girouard to Hingston Aves., 1,550 sq. yd., (9) Belmore St. from St. James St. to Canadian Pacific Ry., 480 sq.yd., (10) Old Orchard Ave. from St. James St. to Canadian Pacific Ry., 1,211 sq.yd., (11) Laverdure St. from Kelly St. to Lot 256-47, 1,250 sq.yd., (12) De LaRoche St. from Gouin Blvd. to city limits, 4,400 sq.yd., (13) Lacosse St. from Notre Dame St. to Canadian Pacific Ry., 130 sq.yd., (14) Jeanne Mance St. from Beaumont to North Sts., 300 sq. yd., (15) Rosemount Blvd. from Papineau to Iberville Sts., 1,200 sq.yd., (16) 9th Ave. from Masson to St. Jerome Sts., 1,000 sq.yd., (17) Regent St. from St. James St. to Canadian Pacific Ry., 1,172 sq.yd., (18) Laverdure St. from existing sidewalk to Lamarche St., 235 sq.yd., (19) St. Zotique St. from DeLaRoche to Boyer Sts., 900 sq. yd., (20) Florence St. from Gouin Blvd. to Summerville Sts., 139 sq.yd., (21) Perras St. from St. Charles to Peloquin Sts., 175 sq.yd., (22) Christophe Colomb St. from Defleurimont St. to Des Carrieres Rd., 1,200 sq.yd., (23) Bellechasse St. from Christophe Colomb to DeNormanville Sts., 430 sq.yd., from Duranceau & Duranceau, 152 Hamilton St., (8a) $1 (8b) $1 (8c) $1.70 (8d) $1.30, total $9,550, (10a) $1 (10b) $1 (10c) $1.70 (10d) $1.30, total $7,055, (12a) $0.80 (12b) $0.80 (12c) $1.40 (12d) 0.90, total $17,160; Quinlan, Robertson & Janin, Ltd., 52 Duluth Bldg., (9a) $1 (9b) $1 (9c) $1.75 (9d) $1.35, total $2,448, (17a) $0.60 (17b) $1 (17c) $1.60 (17d) $1.40, total 6,871; Boyd, Rossi & Devito, 409 St. James St., (10a) $0.67 (10b) $0.72 (10c) $1.54 (10d) $1.76, total $6,543, (12a) $0.60 (12b) $0.755 (12c) $1.56 (12d) $0.83, total $16,478; Leger & Lamoureux, 78 Bernard St., (11a) $1.25 (11b) $1.25 (11c) $1.25 (11d) $1, total $6,688, (12a) $1 (12b) $1 (12c) $1 (12d) $0.70, total $16,280, (13a) 1.50 (13b) $1.50 (13c) $1 (13d) $1, total $750, (14a) $1 (14b) $1 (14c) $1 (14d) $1, total $1,410, (18a) $1 (18b) $1 (18c) $1 (18d) $1, total $11,279, (19a) $1 (19b) $1 (19c) $1 (19d) $0.75, total $3,375, (20a) $1.50 (20b) $1 (20c) $1 (20d) $1, total $626, (21b) $1 (21c) $1 (21d) $1, total $1,655, (22a) $1 (22b) $1 (22c) $1 (22d) $0.75, total $5,300, (23a) $1 (23b) $1 (23c) $1 (23d) $0.75, total $3,710; Rondou, Corlier & Co., 3506 Christophe Colomb St., (11a) $1.23 (11b) $1 (11c) $1.60 (11d) $1, total $6,938, (12a) $1 (12b) $0.50 (12c) $1.50 (12d) $1, total $17,600, (18a) $0.85 (18b) $0.50 (18c) $1.50 (18d) $1, total $11,755, (19a) 0.55 (19b) $0.50 (19c) $1.50 (19d) $1, total $3,195, (20a) $0.85 (20b) $0.50 (20c) 1.50 (20d) $1, total $535, (21b) $0.50 (21c) $1.50 (21d) $1, total $1,388, (22a) $0.63 (22b) $0.50 (22c) $1.50 (22d) $1, total $4,956, (23a) $0.60 (23b) $0.50 (23c) $1.50 (23d) $1, total $2,658; F. Lapan, 601 Lacordaire St., (15a) $0.70 (15b) $0.70 (15c) $1.69 (15d) $0.60, total $4,428, (16a) $0.70 (16b) $0.70 (16c) $1.60 (16d) $0.60, total $3,690; B. Brault Ltd., 2855 Rosemount Blvd., (17a) $0.70 (17b) $1.10 (17c) $1.80 (17d) $1.50, total $7,457; P. Desantis, 3929 St. Hubert St., (18a) $1 (18b) $1 (18c) $2.50 (18d) $0.40, total $10,975; A. and R. Billett, 6158 Peloquin St., (21b) $1 (21c) $1.15 (21d) $0.55, total $1,249; A. Kelly, 2310 St. Denis St., (23a) $0.97 (23b) $0.97 (23c) $1.46 (23d) $0.97, total $2,604. Noted Sept. 28.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, repaving Furman St., etc., to M. J. O'Hara Contg. Co., 717 65th St., $94,080; Flatbush Ave. extension, to Utilities Contg. Co., $12,389; South 9th St., to F. Donovan, $4,749 all foregoing grade 1 granite; Utica Ave., to Borough Asphalt Co., 1301 Metropolitan Ave., $13,588; Neptune Ave., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $54,942, both asphalt on 6 in. concrete. Noted Oct. 12.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., curbing, flagging, reflagging and asphalt paving West 163rd St. and Isham Ave., to Asphalt Paving Co., 1301 Metropolitan Ave., Brooklyn, $8,173 and $7,672 respectively; grading, curbing and asphalt paving West 157th St. and laying sidewalks on Park Ave., to Burnside Contg. Co., 270 Burnside Ave., $11,070 and $10,397 respectively; repaving 24th St., wood block, to P. J. Kearns, 2306 Creston Ave., $18,747. Noted Oct. 19.

N. J., Bradley Beach—Bd. Boro Comrs., Boro Hall, paving Ocean Ave., 30 ft., bituminous concrete, to Newark Paving Co., 308 Adams St., Newark, $73,261. Noted Oct. 5.

Pa., Phila.—Asphalt and granite block pavement on Lancaster Ave., to Barber Asphalt Paving Co., Land Title Bldg., $33,568; asphalt pavements on Clearfield and Diamond Sts., and Anderson, Etting and Sansom Sts., to Eastern Paving Co., Colonial Trust Bldg., $24,524 and $28,045 respectively; grading Algar St. to J. McCool, 124 Albanus St., $31,151. Noted Oct. 19.

Virginia — State Hy. Dept., Richmond, constructing 3.434 mi. road between Martinsville and Daniels Creek, Project 170, Route 3, 18 ft., concrete, to W. W. Boxley, Roanoke, $119,484, (this contract is conditional upon the people of locality raising 50 per cent of money); 1.99 mi. road between Burkes Garden Siding and Tazewell, Project 256, Route 11, 16 ft., bituminous macadam, incl. 3 bridges, to G. T. Franklin & Co., Bassetts, $45,593; 3.86 mi. road between Greenville and Fairfax Rd., Project 192-A, Route 3, 18 ft. macadam, to Pace Constr. Co., Roanoke, $137,661; 1.03 mi.

Streets and Roads (Continued)

road between Clintwood and Fremont, Project 217, Route 11-2, 12 ft. wide, macadam, to Clintwood Constr. Co., Clintwood; 1.84 mi. streets in Halifax, Halifax Co., Project S-219, Route 18, 18 and 24 ft., concrete, to Southern Constr. Co., Petersburg, $58,745; 9.28 mi. road between Greenwich and Milford Mills, Project 130, Route 25, 12 ft., waterbound macadam, and 1.405 mi. road between New Baltimore and Greenwich, Project 203, 12 ft., waterbound macadam, to L. J. Chandler, Virgilina, $20,352 and $32,663 respectively. Noted Sept. 28.

Ga., Savannah — Resurfacing 6 streets with Lake Asphalt, to Dixon Contg. Co., Real Estate Bldg., $59,662; Jefferson St., to Hutton Eng. & Constr. Co., Kelley Bldg., $40,774.

Tennessee—State Hy. Comn., Nashville, improving Project 87, Davidson Co., bituminous surface on concrete, to G. B. Howard Co., 148-B 4th Ave., Nashville, $99,420.

Tenn., Manchester—Coffee Co. Hy. Comn. grading and surfacing 7.42 mi. road to Grundy Co. line, to Smith, Pitts & Sons, Lawrenceburg, 20,433 cu.yd. excav. $0.35, 8,703 cu.yd. borrow $0.35, 60,973 sq.yd. hand placed base $0.59, 69,973 cu.yd. 2½ in. crushed stone surface $0.23, 36.78 cu.yd. Class A concrete $29, 79.28 cu.yd. Class B concrete $19, etc., total $63,381. Noted Oct. 12.

Ohio—Dept. Highways and Pub. Wks., Columbus, widening and surfacing 5.54 mi. Sect. "A" Elyria-Lorain Rd., Lorain Co., bituminous concrete and sheet asphalt, to Highway Constr. Co., Elyria, $92,220. Noted Oct. 19.

O., Cleveland—Paving Baltic Rd., 3,356 lin.ft. stone curb, 3,600 cu.yd. earth excav., 3,350 sq.yd. asphalt, etc., to Cleveland Trinidad Paving Co., The Arcade, $47,376.

O., West Park (Cleveland P. O.)—For concrete walks on various streets, to B. J. Fay, Cleveland (street address not available), $19,604; stone walks, to Cleveland Stone Co., 1836 Euclid Ave., Cleveland, and Ohio Quarries Co., Citizens Bldg., Cleveland, $45,825 and $18,384 respectively. Work involves 500,000 lin.ft. stone and concrete sidewalks.

Ind., Princeton—Gibson Co., to Lefter & Wirth, Francisco, concrete paving 5,858 ft. Montgomery Rd., 16 ft., 10,414 sq.yd. concrete, $26,818, crushed stone surfacing 13,200 ft. Englehart Rd., 16 ft., $25,906, 13,200 ft. Townsley Rd., 16 ft., $25,836, 2.5 mi. Lemme Rd., 16 ft., $25,335; to C. C. James, Francisco, crushed stone surfacing 15,450 ft. Chappel Rd., 16 ft., $27,098. Noted Oct. 5.

Ind., Winamac — Pulaski Co., to Kain Bros., Winamac, paving 2.75 mi. Redline Rd., 18 ft., gravel and stone, $31,995, engrs. est. $29,000; grading and graveling 15,800 ft. Burns Rd., 16 ft., $27,000, engrs. est. $28,000. Noted Oct. 19.

Mich., Detroit—To Detroit Asphalt Paving Co., 20 McGraw Bldg., paving Bordeau Ave, $16,509, Indiana Ave. $26,549, Seminole Ave. $23,169, St. John St. $36,740, Six Mile Rd. $72,477, Wyoming Ave. $22,476; to Otis Cement Constr. Co., 806 Hammond Bldg., Alley 1599, $10,584, Alley 1606, $6,373, Alley 1594, $4,130; to G. Nunn, 6409 3rd Ave., Alley 1600, $4,152, Alley 1602, $3,551, Alley 1595, $1,536, Alley 1598, $2,142; to R. J. Powelson Co., 6415 Iroquois Ave., Alley 1601, $4,840, Alley 1603, $5,555, Alley 1607, $5,148; to DeLisle & Cooper, 402 Ford Bldg., Alley 1604, $2,122; to A. F. Lester, 309 Sun Bldg., Alley 1605, $2,094, Alley 1608, $1,927, Alley 1609, $2,095; to Smith Trucking Co., 3325 West Euclid St., Alley 1610, $3,093; to Bishop & Weir, 400 Penobscot Bldg., Alley 1589, $2,609, Alley 1590, $4,632, Alley 1591, $5,305, Alley 1592, $4,807, Alley 1593, $4,742; to J. Porath, 34 McGraw Bldg., Alley 1597, $2,728.

Ill., Chicago—Grading and paving 9,000 sq.yd. Narragansett Ave., asphalt and binder course on 6 in. portland cement concrete, 3,634 cu.yd. grading, 1,400 cu.yd. filling, 5,500 lin.ft. concrete curb and gutter, to White Constr. Co., 17 North La Salle St. Engrs. est. $64,500.

Ia., Des Moines — Removing old brick pavement and repaving with Class B concrete, 11,270 sq.yd. Woodland Ave. from 15th to 19th Sts., to Wright Constr. Co., 211 Flynn Bldg., $2.64 per sq.yd.

Ia., Sioux City—Sioux Co. grading 8.5 mi. Primary Rd. Project 223, south of Maurice and northeast of Rock Valley to C. F. Betz, 2909 Pierce St., 109 263 cu.yd. excav. $0.207 per cu.yd.; P. Zee and G. Vander Mheen, Alton, 35,023 cu.yd. excav., $0.20.

Kan., Caney—Vitr. brick paving various streets, to J. K. Shinn, Independence, Mo., $26,654.

Kan., Peabody—Vitr. brick paving various streets, to Kaw Paving Co., 506 N. E. Bldg., Topeka, $71,034.

Mo., St. Louis—Bd. Pub. Serv., recutting old granite block and supplying new granite where needed, etc., on 5,000 ft. Bway. from Chippewa to Arsenal Sts., 40 ft., to F. A. Stiers Constr. Co., 4500 Enright St., $120,698. Noted Oct. 12.

Tex., Brownsville—Cameron Co. 2 course rein.-con. pavement on 10.48 mi. Sect. F. incl. 110,650 sq.yd. concrete, and 10.32 mi. Sect. G, 109,221 sq.yd. concrete, both 18 ft. wide, to F. P. McElwrath, Corsicana, $343,754 and $337,453 respectively.

Tex., Coleman — Coleman Co. clearing, grading and graveling 17.72 mi. State Hy. 7, Federal Aid Project 194, 16, 20 and 50 ft., 2,867.6 cu.yd. concrete, 41,256 cu.yd. roadway excav., 31.2 acres clearing, 90,312 cu.yd. borrow, 315,583 lb. reinforcing and 83,270 lb. structural steel, etc., to Womack Constr. Co., Sherman, $135,857. Engrs. est. $149,443. County to furnish 38,880 cu.yd. shipped gravel at $58,000.

Tex., Dallas—To Central Bitulithic Co., Deere Bldg., paving with 2 in. bitulithic on 5 in. concrete, 3,585.6 sq.yd. Prescott St. from Lemmon to Cedar Springs Sts. $3.20 per sq.yd.; 3,780.5 sq.yd. Vandalia St. from Wycliffe to Hawthorne Sts. $3.20; 5,073.2 sq.yd. Rawlins St from Wycliffe to Hawthorne Sts. $3.20; 2,773.2 sq.yd. Hawthorne St. from Lemmon to Vandalia Sts. $3.20; 3,487.8 sq.yd. Herschell St. from Lemmon to Cedar Springs Sts. $3.20; 4,428.7 sq.yd. Douglas St. from Cedar Springs to Lemmon Sts., $3.20, 2,713.6 lin.ft. curb and gutter $1.15 per lin.ft., etc., total $20,256; 23,679 sq.yd. Travis St. from Browser to Hester Sts., $3.20, 12,731.5 lin.ft. curb and gutter $1.15 per lin.ft., etc., total $105,690; 17,577 sq.yd. Junius St. from College to Fitzhugh Sts., $3.25, 10,000 lin.ft. curb and gutter $1.15, total $77,054.

Tex., San Benito — Paving, curbing and guttering, Sam Houston, Travis, Bowie, Regan, Robertson, Stenger, Batts and Rowson Sts., 36-38-54 ft., to Dodds & Wedegartner, San Benito, 38,000 sq.yd. concrete $3.35 per sq.yd., total $127,300. Noted Oct. 5.

Tex., Sherman—Concrete paving, curbing and guttering 5 mi. Cleveland, East Lamar and Loving Sts., 20-24 ft., 46,500 sq.yd. paving, 34,000 lin.ft. curb and gutter, 11,000 cu.yd. excav., to McGuire & Cavender, Kansas City, Kan., (street address not available) $2.50 and $2.52 per sq.yd. Engrs. est. $150,000.

Colorado—State Hy. Dept., Denver, grading 1.453 mi. road beginning north of Dillon and extending toward Kremmling, Federal Aid Project 190, Summit Co., incl. 100 ft. steel truss bridge over Blue River, to Colorado Bridge & Constr. Co., Gas & Electric Bldg., Denver, $36,504, engrs. est. $39,045; concrete paving 1.519 mi. road beginning at Broomfield and extending north toward Lafayette, Federal Aid Project 222B, Boulder Co., to Miller, Douglas & Haines, 100 South York St., Denver, $56,885, engrs. est. $72,000; gravel surfacing 5.375 mi. Sante Fe Trail, Grenada State Line, Federal Aid Project 219A, 18 ft., Prowers Co., to W. A. Colt & Son, Las Animas, $52,607, engrs. est. $58,900; 83 ft. concrete girder bridge over St. Charles River on Rye Rd. to Walsemburg, with gravel approaches, Federal Aid Project 173, Pueblo, to J. R. Donaghy, Colorado Springs, $24,650, engrs. est. $20,786. Noted Oct. 19.

Colorado—State Hy. Dept., Denver, grading 10.731 mi. road beginning 2 mi. north of Platteville and extending toward Greeley, Federal Aid Project 226-C, Weld Co., 16 ft., to C. R. Conover & Bro., 305 Bank Bldg., Denver, $32,997; 7.474 mi. road beginning 6 mi. west of Saguache and extending west toward Cochetopa, Federal Aid Project 119-B, to Girardet & Hotchkiss, Delta, $44,654. Noted Oct. 5

New Mexico—State Hy. Comn., Santa Fe, improving roads, incl. structures, 26.18 mi. Guam-Bluewater Rd., Federal Aid Project 75, McKinley Co., to O. C. McElrath Constr. Co., Mesa, Ariz., $137,007; 21.082 mi. Cliff-Mogollon Rd., Federal Aid Project 84, Grant Co., to C. A. Cunningham, Reserve, $137,055; 4.259 mi. Pankeys Gate-Canoncita Rd., Federal Aid Project 90, Santa Fe Co., to Peterson, Shirley & Gunther, Woodmen of the World Bldg., Omaha, Neb., $47,303; 10.18 mi. Willard-Lucy Rd., Federal Aid Project 95, Torrance Co., to McClure & Dobson, Magdalena, $44,031. All foregoing exclusive of 10 per cent for engineering and contingencies.

Idaho—Director of Highways, grading 6.2 mi. Lewis and Clark Highway, between Orofino and Greer, Federal Aid Project 50, 56,000 cu.yd. earth and 73,200 cu.yd. rock excav., etc., to Triangle Constr. Co., Realty Bldg., Spokane, Wash., $84,604 plus 10% for engineering and contingencies; 13.7 mi. Yellowstone Highway from Blackfoot to Bonner Co. Line, Federal Aid Project 61, 51,000 cu.yd. earth and 20,000 cu.yd. rock excav., 33,000 cu.yd. gravel, etc., also 3.1 mi. Custer Co.-Salmon City Rd., Federal Aid Project 56, 26,700 cu.yd. earth and 28,800 cu.yd. rock excav., 4,900 cu.yd. crushed rock, etc., to Gleim & Sh[illegible] Pocatello, $50,827 and $52,478 respect[illegible]y.

Utah, Salt Lake City—Concr[illegible]urbing and guttering 54,000 ft. in Ca[illegible]l Hill Dist., to Gibbons & Reed, Kear[illegible] Bldg., $154,335. Noted Sept. 28.

Wash., Aberdeen—See "Miscel[illegible]ous."

Wash., Seattle—Paving Orcas [illegible] et al, 5,450 lin.ft. asphaltic concrete [illegible] 7,259 cu.yd. earth excav., 2,000 sq.yd. subgrading, 9,675 sq.yd. 6 in. concrete, to J. D. Stillwell, Inc., 3220 9th Ave., $37,721. [illegible]gers. est. $38,911; Findlay St. et al, 9,500 lin.ft. asphaltic concrete curb, 4,000 cu.yd. earth excav. and 16,225 sq.yd. 6 in. concrete, to V. Ramaglia, 4415 Corliss Ave., $47,051, engrs. est. $44,702.

Oregon—State Hy. Comn., Salem, grading 12.12 mi. Hayden Creek-Keno Sect., Ashland-Klamath Falls Highway, Klamath Co., 17,000 cu.yd. common, 19,000 cu.yd. intermediate and 26,500 cu.yd. solid rock excav., etc., to J. Hampshire, Ashland; surfacing Keene Creek-Hayden Creek Sect., Ashland-Klamath Falls Highway, Unit 1, 12.34 mi. Jackson Co., 24,000 cu.yd. broken stone, etc., to S. S. Shell, Ashland, $79,210. Unit 2, 9.83 mi. Klamath Co., 19,000 cu.yd. broken stone, etc., to W. C. Stone, 654 East Alder St., Portland, $65,110; grading 9.35 mi. and surfacing 15.65 mi. Madras-Wasco Co. Line Sect., The Dalles-California Highway, Jefferson Co., 36,000 cu.yd. common, 6,000 cu.yd. intermediate and 7,500 cu.yd. solid rock excav., 16,500 cu.yd. broken stone, 17,500 cu.yd. crushed gravel, etc., to Moore & Anderson, Heppner, $81,843; 6 mi. grading Alsea Mountain Sect., Alsea Highway, Benton Co., 43,000 cu.yd. common, 93,000 cu.yd. intermediate and 110,000 cu.yd. solid rock excav., to Joplin & Eld[illegible], Portland (street address not available).

Calif., Stockton — Supervs. San Joaquin Co., to C. Moreing & Sons, Commercial & Savings Bank Bldg., improving Thomas Wall Rd. $15,550, 4 mi. Peters Rd. $22,235, 3.39 mi. Willow Glenn Rd. $18,230, 3 mi. Morrison Rd. $21,130, 8 mi. road 2½ mi. east from Jack Tone Rd, $26,988; to C. O. Holden, 433 East Locust St., Lodi, 1½ mi. Jack Tone Rd. $12,465, 2½ mi. Kettleman Rd. and Quimby Ave., $20,710, 3.04 mi. Brackharshner Rd. $21,677. Noted Oct. 19.

Calif., Tracy—Bd. Trustees, grading, paving, curbing, guttering and laying sewers Taft, 6th, 9th, Roosevelt Sts., etc., to J. E. Johnston, 315 Savings & Loan Bank Bldg., Stockton, $59,787. Noted Oct. 19.

Ont., Toronto—To Constr. & Paving Co., Confederation Life Bldg., 25,000 sq.yd. asphalt pavements on Yonge St. from Farnum Ave. to Heath St., $32,237, and from Craighurst to Lawrence Aves., $89,482, 8,000 sq.yd. Annette St., $39,000; to Warren Bituminous Paving Co., 54 University Ave., 20,000 sq.yd. bitulithic pavement on Yonge St. from Lawrence Ave. to city limits, $96,761, 1,000 sq.yd. Pincrest and Clendenau Rds., $5,242; to Godson Contg. Co., Manning Chambers, 7,000 sq.yd. asphaltic concrete pavement, Yonge St. from Glen Elm to Merton Aves., $36,877, 19,000 sq.yd. asphalt on concrete, Yonge St. from Heath to Hillsdale Aves., $85,118; to Kilmer & Barber, 24 Adelaide St. W., 24,000 sq.yd. asphalt pavement Yonge St. from Hillsdale to Craighurst Aves., $113,736.

Industrial Works

PROPOSED WORK

N. H., Plaistow—Merrimack Clay Products Co., 185 Devonshire St., Boston, soon lets contract 1 and 2 story, 200 x 600 ft. plant, steel and wood, plain foundation. $200,000. Noted June 15.

Mass., Worcester—Queensbury Mills, Inc., Quinsigamond Ave., plans several large additions to plant, brick and steel. Architect not selected.

N. Y., Brooklyn — C. D. Strang, 105 South Portland St., soon takes bids 5 story, 64 x 115 ft., brick, steel and concrete warehouse addition, plain foundation, Coney Island Ave. $250,000. A. Goldberg, 164 Montague St., archt. and engr.

N. Y., Niagara Falls—T. K. Thomson, 50 Church St., New York, and P. A. Porter, 414 Delaware Ave., Buffalo, engrs., making tentative plans for hydro-electric developments in Niagara Gorge to develop 2,000,000 hp. This corrects report in Oct. 5 issue.

Pa., Bloomsburg—Bloomsburg Paper Co., plans to rebuild factory recently destroyed by fire, $75,000.

Pa., Phila.—Cocoanut Specialty Co., 1214 North Crese St., soon takes bids 4 and 6 story, 80 x 180 ft. rein.-con., brick and steel factory, plain foundation, Wayne Junction, $250,000. Lachman & Murphy, Drexel Bldg., archts.

Pa., Phila.—J. B. Stetson Co., 5th St. and Columbia Aves., having plans prepared by J. O. Potts, archt., 5th and Montgomery Aves., 8 story, 62 x 75 ft. factory, 1 story,

Industrial Works (Continued)
114 x 114 ft. garage and work shop, 1 story 75 x 124 ft. machine and repair shop, 4th and Columbia Aves.

D. C., Wash. — Milburn-Heister Co., archts., 710 14th St., N. W., preparing plans service station. $70,000. Owner's name withheld.

La., New Orleans—Lukens Steel Co., Coatesville, Pa., having plans prepared by A. M. Shaw, consult. engr., Hibernia Bank Bldg., 4 unit plant here along Navigation Canal, incl. 75 x 250 ft. warehouses, etc., $300,000.

O., Caldwell—Caldwell Colleries Co., plans rebuilding generating and hoisting plant at Florence Mine, destroyed by fire. $70,000.

O., Cleveland—Denby Wire & Iron Co., 5119 Euclid Ave., had plans prepared 1 story, 40 x 105 ft., brick and steel factory, 3005 East 81st St. $40,000. Private plans.

Ohio, Cleveland—Lees Bradner Co., 6210 Carnegie Ave., plans 3 story, brick factory addition. $100,000. E. J. Lees, pres. Private plans.

Ill., Chicago — L. G. Hallberg & Co., archts., 116 South Michigan Ave., soon receives bids 1 story, 68 x 190 ft. top addition, rein.-con., brick and steel, 908 Gary St., for Huguelet Bros. $50,000.

Wis., Chilton—Hingiss & Bissler, c/o A. Hingiss, Kiel, plans 2 story, 60 x 100 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation, here. $45,000.

Wis., Fond du Lac—Model Laundry Co., 66 Macy St., plans 2 story, 60 x 90 ft., addition to laundry, rein.-con. and brick, plain foundation. $40,000. Architect not selected.

Wis., Green Bay—E. J. Bolza Co., 327 Main St., having plans prepared 2 story, 50 x 95 ft. factory, brick, rein.-con. and steel, plain foundation. $40,000. E. J. Bolza, mgr. Private plans.

Wis., Racine—Belle City Malleable Iron Co. plans 1 story, 45 x 50 ft. brick, rein.-con. and steel gas plant. $40,000. Architect not selected.

Mo., Kansas City — H. Von Unwerth, engr., Finance Bldg., soon takes bids for 1 story and basement, 160 x 220 ft., rein.-con., brick and steel manufacturing building, plain foundation, for Electric Storage Battery Co., 19th St. and Allegheny Ave., Phila. $120,000.

Mo., Paris—See "Waterworks."

Tex., Cuero—Cuero Light & Power Co. plans $75,000 bond issue for extensions and improvements to plant and lines.

Colo., White River (Meeker P. O.)—Rio Blanco Carbon Co., 818 Symes Bldg., Denver, having plans prepared by O. D. Horton, engr., 714 Commerce Bldg., Erie, Pa., 1 story, 12 x 16 ft., 2 story, 20 x 40 ft. and 1 story, 14 x 110 ft., manufacturing plant, corrugated sheet metal and steel, here. $60,000.

Ore., Bend—Bend Water, Light & Power Co. takes bids early in spring, power development on Deschutes River, incl. concrete dam 270 ft. high, 800 ft. long at top, 120 ft. long at base, to develop 106,000 hp. power house, penstocks, power line, turbines, generators, transmsision lines, etc. T. H. Foley, vice-pres., in market for power and electrical equipment for above. V. H. Reineking, Spaulding Bldg., Portland, engr.

Calif., Fresno—See "Buildings."

Ont., Paisley—Plans power plant and concrete dam, on Little Saugeen River. $60,000. A. James, 36 Toronto St., Toronto, engr.

B. C., Powell River—Powell River Co. Ltd., having plans prepared by R. Bell-Irving, archt. Powell River, 2 story, 40 ft. high, 80 x 360 ft. plant, rein.-con. and steel. $200,000

BIDS DESIRED

Conn., Hartford—Frisbie Pie Co., 363 Kossuth St., Bridgeport, receiving bids 2 story, 90 x 100 ft. bakery and warehouse, brick and steel, here. $50,000. Private plans.

N. Y., New York—S. M. De Pasquale, c/o S. J. Kessler, archt. and engr., 529 Courtland Ave., 2 story, brick, steel and concrete garage, plain foundation, Webster Ave. and Mosholu Parkway. $120,000. Work will be done by separate contracts.

Pa., Phila. — Neubauer & Supowitz, archts., 929 Chestnut St., taking bids 2 story and basement, 50 x 100 ft. rein.-con., brick, steel and stone garage, plain foundation, Wyoming Ave. and Mascher St., for P. Randolph, 41st and Poplar Sts. $100,000.

Ind., Crawfordsville — Nov. 6, by City Clerk, 1 story, 40 x 60 ft. power and light plant, brick, also 200 ft. radial brick stack. $50,000. H. C. Carroll, 511 Traction Terminal, Indianapolis, engr.

Ill., Chicago—E. E. McClellan, archt., 7441 Cottage Grove Ave., receiving bids 1 story, 100 x 100 ft. garage, rein.-con., brick and steel, Halsted and 76th Sts. $40,000. Owner's name withheld.

Ill., Chicago—E. E. McClellan, archt., 7441 Cottage Grove Ave., receiving bids 1 and 2 story, 200 x 200 ft. factory addition, rein.-con., brick and steel, 15th St. and Keeler Ave., for Victory Ice and Ice Cream Co. $100,000.

Ill., Chicago.—A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids 3 story, 105 x 175 ft., rein.-con., brick and steel printing plant, Congress and Laflin Sts. $250,000. Owner's name withheld. Noted Sept. 28 under "Buildings."

Wis, Chippewa Falls—Chippewa Valley Auto Co., 16 River St., taking bids 2 story, 124 x 130 ft. garage and repair shop, brick, rein.-con. and steel. $75,000. E. J. Hancock, Laycock Bldg., Eau Claire, archt.

Wis., Milwaukee—Leenhouts & Guthrie, archts., 424 Jefferson St., taking bids 1 story, 120 x 120 ft., brick and concrete garage, plain foundation, for Luick Ice Cream Co., 183 Ogden Ave. $60,000. Noted Oct. 5.

Wis., Milwaukee—C. F. Ringer & Son, archts., 432 Bway., taking bids 1 story and basement, 50 x 150 ft., brick and concrete garage, plain foundation, 9th St., for O. Jaeger Baking Co., 914 Central Ave. $40,000.

Wis., Milwaukee—H. G. Lotter, archt., 427 Milwaukee St., taking bids 2 story, 60 x 135 ft., brick and timber factory, plain foundation, for A. C. Beck Co., 1 East St. Noted Oct. 12.

Wis., Waukesha—M. H. Blake, archt., Andrews Blk., taking bids and will open same about Oct. 30, on structural steel for 1 story, 65 x 200 ft., brick and concrete garage addition, plain foundation, for Spring City Auto Co. Total $50,000. Noted July 27.

Wash., Tacoma—Northern Furniture Co., South Water St., Sheboygan, Wis., taking bids 4 story, 110 x 150 ft., brick, rein.-con. and steel factory, plain foundation, Edison St., here. $60,000. W. C. Weeks, 720 Ontario Ave., Sheboygan, Wis., archt.

BIDS RECEIVED

D. C., Wash.—Corby Baking Co., Georgia Ave. and Trumbull Sts., N. W., addition to bakery, from A. L. Smith Co., Woodward Bldg., (1) $143,292 (2) $195,000 (3) $45,774; P. F. Gormley Co., Union Trust Bldg., (1) $148,105 (2) $206,298 (3) $54,707; F. L. Wagner, 1413 H St., N. W. (1) $149,191 (2) $203,270 (3) $49,300.

O., Cleveland—Bd. Educ., East 6th St. and Rockwell Ave., opened bids Oct. 16, 4 story, 104 x 144 ft., brick, steel and concrete warehouse, East 63rd St. and Waterman Ave., from F. Hohloch, 311 Federal Bldg., Youngstown, $228,000; W. Moore Co., 1276 West 4th St., $232,000. Noted Sept. 28.

CONTRACTS AWARDED

Mass., Somerville—J. W. Knowles, 660 Bway., 1 story, 15 ft. high, 90 x 150 ft. garage, etc., brick and concrete block, plain foundation, Highland Ave. and Eastman Rd., to Brayley & Knowles, 660 Bway. Archts.' est. $40,000.

Mass., Worcester—A. A. Wheeler, 159-163 Mechanic St., 2 story, 30 ft. high, garage and service station, brick and concrete, Mechanic St., to J. Miles & Sons Co., 393 Main St. Archts. est. $100,000.

R. I., Providence—Olneyville Realty Co., Inc., 18 Plainfield St., 1 story, 60 x 175 ft. garage and service station, brick and steel, plain foundation, Plainfield St., to C. I. Bigney Constr. Co., 357 Westminster St. Archts. est. $40,000. Noted Oct. 5.

Conn., Bridgeport—Huber Ice Cream Co., 800 Seaview Ave., 3 story and basement, 60 x 102 ft. factory addition, rein.-con. and brick, Eagle St. and Seaview Ave., to T. J. Pardy Constr. Co., 1381 Seaview Ave. Archts. est. $100,000. Noted Oct. 12.

Conn., New Britain—Landers, Frary & Clark, Commercial St., 6 story factory addition, brick and timber, plain foundation, Stanley St., to Torrington Bldg. Co., 197 Water St., Torrington. Archts. est. $75,000.

N. Y., Buffalo—Pillsbury Flour Mills Co., 302 Metropolitan Life Bldg., Minneapolis, Minn., general contract, 10 story and basement, 100 x 268 ft., concrete and steel mill, here, to Fegles Constr. Co., 706 1st Ave. N., Minneapolis, Minn. $1,000,000. Noted Oct. 19.

N. Y., New York—Cantor Constr. Corp., c/o F. Parker, archt. and engr., 44 Court St., Brooklyn, 2 story, 150 x 195 ft., brick, steel and concrete garage, plain foundation, Park Ave. and 164th St., by day labor. $150,000.

N. Y., New York — Four Twenty Five West 54th St. Realty Co., c/o F. A. Rooke, archt. and engr., 15 East 40th St., 6 story, 75 x 90 ft., brick, steel and concrete garage and service station, plain foundation, 421 West 54th St., by day labor. $125,000.

N. Y., New York—W. F. Harving, c/o J. P. Whiskeman, archt. and engr., 153 East 40th St., will build 1 story, 135 x 150 ft., brick, steel and concrete garage, plain foundation, Webster Ave., by day labor. $75,000.

Pa., Pittsburgh—Harmony Creamery Co., 407 Liberty Ave., 2 story, 56 x 115 ft. concrete and steel garage, Reedsdale Ave., to Lawrence Steel Constr. Co., 3324 Smallman St. Archts. est. $40,000.

W. Va., Huntington — Armstrong Mfg. Co., 1 story, 108 x 201 ft. addition to plant, brick and steel, to C. H. Smith, Robson-Prichard Bldg.

Tenn., Kingsport — Mead Fibre Co., 2 story, 75 x 275 ft. paper mill, brick, etc., to W. A. Allen, Kingsport. Engrs. est. $350,000. Noted Oct. 5.

O., Cleveland—F. Svoboda, 5377 Bway., 2 story, 45 x 139 ft. garage, steel girders, Bway. and Mumford Ave., to Cleveland Cuyahoga Constr. Co., 110 Engineers Bldg. Archts. est. $60,000. Noted Sept. 14.

O., Cleveland Heights (Warrensville P. O.)—Heights Battery Co., c/o J. Herman, 2777 Mayfield Rd., 2 story, 50 x 100 ft., brick and steel garage, 2770 Mayfield Rd., to T. H. Walker, 3131 Washington Blvd. Archts. est. $40,000.

O., Euclid—Municipal Realty Co., c/o A. Bloom, supt. of construction, Hanna Bldg., Cleveland, will build warehouse and lumber mill, 1 story each, brick and steel, Bliss Rd. and St. Clair Ave., by day labor. $150,000. Private plans.

O., Salem—Deming Co., Etna St., 1 story, brick and steel foundry, to Austin Co., 16112 Euclid Ave., Cleveland. Archts. est. $50,000.

Mich., Detroit—Dept. Street Rys., Shoemaker and St. Jean Aves., will build 1 story, 100 x 200 ft. paint shop, brick and steel, plain foundation, Woodward Ave., by day labor. $100,000. W. C. Markham, 312 Marquette Bldg., engr.

Ill., Chicago—McDonald Loose Leaf Co., 638 Federal St., 1 story, 95 x 125 ft. factory, rein.-con., brick and timber, 1809-17 Summerdale Ave., to J. Christensen, 1250 East 69th St. Archts. est. $50,000. Noted Sept. 7.

Ill., Chicago—E. J. Brach & Sons, 215 West Ohio St., 3 story, 100 x 300 ft. factory, rein.-con., brick and steel, Kinzie and Cicero Sts., masonry and carpentry to H. Erickson Co., 139 North Clark St. Archts. est. $1,000,000. Noted Oct. 19.

Wis., Baraboo—G. McCarthur & Sons Co. will build 1 story, 50 x 65 ft. brick, rein.-con. and steel power plant, plain foundation, by day labor. $40,000. C. N. Ward, c/o University of Wisconsin, Madison, archt.

Wis., Delavan—State Bd. Control, Madison, 1 story, brick and rein.-con. cold storage plant, to Lipman Mfg. Co., Beloit. Engrs. est. $40,000.

Wis., Green Bay—Brown Co., c/o H. F. Wittig, clk., Court House, will build 2 story, 70 x 95 ft., brick and rein.-con. laundry, plain foundation, by day labor. $40,000. Foeller & Schoeber, Nicolet Bldg., archts. Noted Sept. 14.

Wis., Milwaukee—F. Kraning, 1147 Forest Home Ave., 2 story and basement, 30 x 80 ft. garage addition, brick and concrete, plain foundation, to Klupp Bros., 860 14th Ave. Archts. est. $40,000. Noted Oct. 12.

Wis., Milwaukee—Milwaukee Air Power Pump Co., 886 3rd St., 1 story, 130 x 150 ft. factory and office building, brick and concrete, plain foundation, Keefe Ave., to Universal Constr. Co., 915 Chestnut St. Engrs. est. $50,000.

Wis., Milwaukee—Waukesha Dairy Co., 342 6th St., 4 story and basement, 48 ft. high, 50 x 78 ft. addition to dairy, brick and concrete, plain foundation, 6th St., to E. S. Steigerwald Co., 3603 Vliet St. Engrs. est. $50,000.

Wis., Mosinee—Wausau Sulphite Fibre Co. will build 1 story, 60 x 100 ft. brick, rein.-con. and steel, power plant, plain foundation, will also raise rein.-con. and steel dam incl. 2 steel and concrete gates, by day labor. $50,000. Private plans.

Wis., New Holstein—New Holstein Canning Co. will build 1 story, 60 x 160 ft., brick, rein.-con., and tile canning factory, plain foundation, by day labor. $40,000. W. C. Weeks, 720 Ontario Ave., Sheboygan, archt.

Wis., Oconto—Elmore Veneer Co. will build 1 story, 90 x 150 ft., brick and rein.-con. factory, plain foundation, by day labor. $40,000. Private plans.

Wis., Racine—Wisconsin Gas & Electric Co., 305 6th St., 1 story, 50 x 95 ft., brick, rein.-con. and steel addition to gas plant, plain foundation, to Nelson & Co., Inc., Janes Bldg. Archts. est. $40,000. Noted Aug. 10.

Wis., Rhinelander—Wisconsin Regrinding Co., Sheboygan Falls, will build 1

Industrial Works (Continued)

story, 50 x 90 ft., brick, rein.-con. and steel machine shop, plain foundation, here, by day labor. $40,000. Private plans. Noted Oct. 12.

Wis., Union Grove—State Bd. Control, Madison, 1 story, 50 x 90 ft., brick, rein.-con. and steel laundry, plain foundation, at State Home for Feeble Minded, here, to Bonnett Constr. Co., 808 South Pierce St., Milwaukee. Archts. est. $40,000. Noted Sept. 21.

Wis., West Bend—West Bend Concrete Products Co. 2 story, 50 x 65 ft., brick, rein.-con. and steel factory, plain foundation, to L. J. Yohr, West Bend. Archts. est. $40,000.

Ia., Sioux City — Hanford Produce Co., 1st and Court Sts., 3 story, 100 x 150 ft. cold storage warehouse and ice plant, brick and concrete, 1st and Virginia Sts., to Younglove Constr. Co., United Bank Bldg., est. cost $100,000.

Minn., Minneapolis—Ives Ice Cream Co., 2nd and University Aves., S.E., general contract 3 story, 40 x 76 x 117 ft. addition, also adding 3rd stor yto present 41 x 117 ft. building, rein.-con., brick and tile, to S. M. Klarquists Sons Co., Inc., 750 Security Bldg., $74,000.

Calif., Pittsburg—Pioneer Rubber Mills, 68 Sacramento St., San Francisco, 1 story, rein.-con. factory, here, to Cahill Bros., 110 Sutter St., San Francisco, $141,000. Noted Aug. 17.

Calif., Taft—Taft High School Dist., 1 story garage, rein.-con., to Campbell Constr. Co., 3325 J St., Sacramento, $45,000. Noted July 20, under "Buildings."

Buildings

PROPOSED WORK

Conn., Bloomfield — Club House — See "Miscellaneous."

N. Y., Geneva—High School—Bd. Educ. soon takes bids 2 story, 200 x 200 ft., brick, steel and stone, plain foundation, Pultney St. $300,000. W. Potter, 22 East 17th St., New York, archt. and engr. Noted June 1.

N. Y., New York—Apartment—S. Rosenberg, 605 West 170th St., soon takes bids 6 story, 100 x 100 ft., brick, steel and stone, plain foundation, 41 University Pl. $225,000. D. S. Lang, 110 West 34th St., archt. and engr.

N. Y., New York—Loft—G. A. Bagge & Sons, archts. and engrs., 299 Madison Ave., soon take bids 10 story, 45 x 100 ft., brick, steel and stone, plain foundation, William St. Owner's name withheld.

N. J., Trenton—High School—Bd. Educ. soon takes bids for Junior High School No. 3, 2 and 3 story, 385 x 410 ft., West State St. $1,000,000. J. O. Hunt, 219 East Hanover St., archt. E. Sibley, Edgewood Lane, Palisade, engr. Noted Sept. 14.

D. C., Wash.—Theatre and Office—Cosmos Theatre having plans prepared by C. H. Crane, archt., 400 Huron Bldg., Detroit, Mich., theatre and office building, 13th and E Sts., N. W., $1,750,000. A. J. Bryloski, mgr.

Fla., Orlando—Bank—Orlando Bank & Trust Co., soon receives bids brick, stone and steel, plain foundation. $250,000. W. L. Stoddart, 9 East 40th St., New York City, engr. and archt.

Ala., Birmingham—Apartment Hotel—G. L. Miller & Co., Hurt Bldg., Atlanta, Ga., had plans prepared by J. E. Salle, archt., 1129 Cullom St., 7 story, 133 x 240 ft. steel, brick and tile, South Highlands Ave. and Iroquois St. $1,300,000.

O., Canton—Temple—Osgood & Osgood, archts., Fine Arts Bldg., Grand Rapids, Mich., take bids about Dec. 15, 5 story and basement, 100 x 140 ft., brick and stone, here, for Masonic Assn., c/o W. R. Zollinger, 205 Market Ave. $650,000. W. H. Adams, Campau Bldg., Detroit, Mich., engr. Noted Aug. 24.

O., Cleveland—Schools—Bd. Educ., East 6th St. and Rockwell Ave., plans 3 story and basement, East 108th St. and Sandusky Ave., $900,000; 1 story addition to Glenville School, $150,000; 3 story and basement, 22 room, East 146th St. and Harvard Ave., $500,000, all brick, steel and concrete. W. R. McCormack, East 6th St. and Rockwell Ave., archt.

Mich., Coldwater — High School — R. A. Leroy, archt., Pratt Bldg., Kalamazoo, takes bids about Nov. 15, 2 or 3 story, 90 x 120 ft. rein.-con., brick and stone, for Bd. Educ. $150,000. Noted Aug. 17.

Mich., Detroit—Hotel—Hotel Tuller Co., Park and Adams Aves., having plans prepared by W. H. Adams, archts., 431 Griswold St., 14 story and basement, 60 x 120 ft., rein.-con., brick, steel and terra cotta addition, plain foundation, Bagley Ave.

Mich., Detroit—Office—Detroit Bd. Commerce, Lafayette Ave. and Wayne St., plans 20 story, 100 x 120 ft. rein.-con., brick and steel, Lafayette Ave. H. E. Coffin, dir. Architect not selected.

Ill., Chicago—Apartment—P. F. Olsen, archt., 127 North Dearborn St., soon receives bids 3 story, 100 x 170 ft., rein.-con., brick and steel, Estes and Paulina Sts., for L. A. and A. N. Strohm, c/o architect. $175,000.

Ill., Winnetka—Temple—A. P. Allen, archt., 225 North Michigan Ave., Chicago, soon receives bids 2 story and basement, 100 x 100 ft., rein.-con., brick and steel, Elm St. near Maple St., here, for Winnetka Lodge A. F. & A. M., c/o architect. Archts. est. $150,000.

Ia., Atlantic—Hotel—C. R. Jones, soon receives bids 3 story and basement, 25 x 100 ft., rein.-con., brick and stone, $165,000. F. L. Body, 723 Plymouth Bldg., Minneapolis, Minn., archt.

Ia., Des Moines—Schools—Bd. Educ. rejected bids for Adams School, 29th and Douglas Sts., and Monroe School 30th and Hickman Sts. Both 2 story, brick and concrete. Noted Oct. 19.

Ia., Ft. Dodge—Hotel—T. G. Warden, c/o Hotel Wahkonsa, having plans prepared by Damon, O'Meara & Hills, archts., E. Moson Bldg., 8 story and basement addition to Hotel Wahkonsa, 140 x 180 ft., rein.-con., brick and stone. $700,000.

Minn., Minneapolis — Auditorium, etc. — State Bd. Control, Capitol, St. Paul, plans 4 story and basement, auditorium and athletic stadium, rein.-con., brick and stone. $1,500,000. Architect not selected.

Kan., Wichita — Club — E. Forsblom, archt., 405 Sedgwick Bldg., soon takes bids 5 story and basement 140 x 150 ft., rein.-con. and brick, plain foundation, on Market St. between 1st and 2nd Sts., for B.P.O.E., c/o G. Boyd. $300,000.

Mo., Kansas City—Office—S. E. Chamberlain, archt., Ridge Bldg., preparing preliminary plans for brick and stone, 10th and Oak Sts. $3,000,000. Owners name withheld.

Tex., San Antonio — School — City Com. takes bids about Nov. 10, 1 story, brick and concrete, plain foundation. $180,000. Phelps & Dewees, Gunter Bldg., archts.

Colo., Denver—Schools—Denver School Dist., Mercantile Bldg., voted $2,000,000 bonds for elementary schools, $2,400,000 bonds for senior high schools and $1,750,000 for junior high schools. Equipment to cost an additional $2,400,000. Architect not selected.

Wash., Seattle—Apartment—E. Guenther, archt., Ry. Exch. Bldg., opens bids about Nov. 1, 5 story and basement, 60 x 120 ft., rein.-con., 7th and Olive Sts., for Williams & Co., Ry. Exch. Bldg. $175,000.

Calif., San Francisco—Hall, etc.—Knights of Columbus, California Council 880, 1428 Golden Gate Ave., plan hall, auditoriums, etc. $1,000,000.

BIDS DESIRED

N. Y., Attica—High School—Nov. 1, by Bd. Educ., 3 story, 80 x 150 ft., rein.-con. and brick, Prospect St. To exceed $150,000. Miller & McNeil, Root Bldg., Buffalo, archts. Noted Sept. 7.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, taking bids and opens same about Nov. 1, P. S. 190, 5 story, 105 x 125 ft., brick, steel and stone, plain foundation, Georgia and Sheffield Aves. $300,000. C. B. J. Snyder, Concord St. and Flatbush Ave., archt. and engr.

N. Y., Freeport—High School—Bd. Educ. receiving bids and opens same about Nov. 15, brick, steel and stone, plain foundation, Pine St. $600,000. W. Adams, 15 W. 38th St., New York, archt. and engr. Noted Oct. 12.

N. Y., Larchmont—Store and Apartment—Directors Building Corp., 55 Edgwood Rd., 5 story, hollow tile and stucco, plain foundation, Larchmont Ave. corner Post Rd. $175,000. Work will be done by separate contracts under supervision of F. A. Moore, archt. and engr., 109 East 29th St., New York.

N. Y., New York—Apartment—Glick-Rose Holding Corp., c/o D. S. Lang, archt. and engr., 110 West 34th St., 6 story, brick, steel and stone, plain foundation, West 141st St. $200,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York — Apartment — M. Paterno, 200 West 72nd St., 14 story, 100 x 135 ft., brick, steel and stone, plain foundation, Park Ave. and 89th St. $850,000. Work will be done by separate contracts. R. Candella, 200 West 72nd St., archt. and engr.

N. Y., New York—Hotel—Allerton House, Inc., 132 East 57th St., 16 story, brick, steel and stone, plain foundation, Madison Ave. and 38th St., $2,250,000. Work will be done by separate contracts. Murgatroyd & Ogden, 369 Lexington Ave., archts. and engrs.

N. Y., Theills—Assembly Hall, etc.—Nov. 14, by M. B. Patterson, pres. Bd. Mgrs. Letchworth Village, 7 Wall St., [illegible] York, for attendents' home, assembly [illegible] and industrial building, at Letchworth Village here. L. F. Pilcher, Albany, st[illegible] archt.; adv. this issue.

N. J., Jersey City—Y. M. C. [illegible]2 West 45th St., New York City, taking bids and open same about Nov. 1, 6 st[illegible] brick, steel and stone, plain foundati[illegible] Bergen Ave., here. $500,000. J. Jack[illegible]n, 1819 Bway., New York City, archt. and engr. Noted May 11.

N. J., Maywood—School—Nov. [illegible] by Bd. Educ. in Public School Bldg., Grove St., for new school. E. Sibley, archt.; G. F. Reeke, associated archt., Edgewood Lane and Bluff Rd., Palisade; adv. this issue. Noted Sept. 14.

N. J., Trenton—School—Nov. [illegible] by Bd. Educ., 2 story, 150 x 350 ft., school for negroes, brick and steel, Montgomery St. $600,000. E. Sibley, Edgewood Lane, Palisade, engr. W. Slack & Son, St. Regis Bldg., archt. Noted Nov. 24.

N. J., West Orange—School—Oct. 30, by A. Wench, secy. Bd. Educ., 2 story, 40 x 114 ft., brick, steel and stone, plain foundation, Gregory Rd. $200,000. Guilbert & Bettelle, 2 Lombardy St., Newark, archts. and engrs.

Pa., Butler—Hospital—Nov. 15, by E. L. Tilton and E. P. Mellon, archts., 52 Vanderbilt Ave., New York City, 3 story and basement, brick and stone, Brady St., for Butler Memorial Hospital, c/o T. Shufflin, Butler. $500,000.

Pa., Oil City—School—Dec. 1, by Bd. Educ., new junior high school, brick. $500,000. E. E. Bailey, Oil City, archt.

Pa., Phila.—Laboratory—J. T. Windrim, archt., Commonwealth Bldg., taking bids 4 story and basement, 57 x 110 ft. rein.-con. brick, steel and stone, plain foundation, 19th and Cherry Sts., for Franklin Institute, 15 South 7th St. $250,000.

Pa., Pittsburgh — Hospital — Oct. 30, by City, 1 story, brick and steel addition to hospital and power plant, Leech Farms, $179,000. J. P. Brennan, Municipal Bldg., archt.

Pa., Pittsburgh—School—Nov. 2, by Bd. Educ., Fulton Bldg., 3 story, basement and sub-basement, 135 x 160 ft. rein.-con., brick, steel and stone addition, East Carson and 10th Sts. $250,000. E. Stotz, Monongahela Bank Bldg., archt.

Pa., Pittsburgh—School—Nov. 9, by Bd. Educ., Fulton Bldg., 2 story and basement, 76 x 298 ft. rein.-con., brick and tile addition, Rockland St. $250,000. P. C. Dowler, Magee Bldg., archt.

D. C., Wash.—Junior High Schools—Nov. 14 by Dist. Comr., 509 Dist. Bldg., for 2 junior high schools, one at Gage, Emery and Rockingham Sts., other at 14th and Taylor Sts., N. W., each $300,000. Noted Oct. 19.

D. C., Wash.—Theatre—H. Crandall, c/o Metropolitan Theatre, 934 F St., N. W., brick, steel and stone theatre, 14th St. and Park Rd. Work will be done by separate contracts under supervision of T. W. Lamb, archts. and engrs., 644 8th Ave., New York City. $500,000. Noted Oct. 19.

O., Akron — Hotel and Theatre — J. E. Eberson, archt., 64 East Van Buren St., Cleveland, taking bids 10 story and basement, 132 x 190 ft., brick, steel and concrete, East Market St., here, for Akron Prospect Co., Commodore Perry Hotel, 32 North Prospect St. $2,500,000. Former contract rescinded. Noted Dec. 15.

Mich., Marquette—School—Oct. 28, by State Bd. Educ., 3 story, 44 ft. high, 64 x 228 ft., rein.-con., brick and steel, plain foundation. $250,000. Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, archts.

Ill., Chicago—Apartment—P. Ram, 2220 West Division St., receiving bids 3 story, 107 x 110 ft., rein.-con., brick and steel, Division and Spaulding Sts. $150,000. E. Steinborn, 111 North Dearborn St., archt.

Ill., Chicago—Bank, Store and Office—Loewenberg & Loewenberg, archts., 111 West Monroe St., receiving bids 2 story, 100 x 124 ft., rein.-con., brick and steel, Roosevelt Rd. and Central Park, for Central Park State Bank, c/o architects.

Wis., Milwaukee—Church—F. Howend, archt., 69 Wisconsin St., taking bids 2 story, 95 x 160 ft., brick, concrete and steel, plain foundation, Sherman Blvd., for First Church of Christ Scientist, c/o W. B. Drescher, 1179 16th St. $165,000. Klug & Smith, 69 Wisconsin St., engrs.

Wis., Milwaukee—Theatre and Business—M. Tullgren & Sons, archts., 425 East Water St., taking bids on 1,300 ton structural steel and 25,000 cu.yd. excav., for 7 story and basement, 150 x 205 ft., brick, steel and concrete, plain foundation, Grand Ave. and 6th St., for Grand & Sixth Bldg., Inc., 425 East Water St. Total cost $2,000,000.

Minn., Chisholm—Municipal—Nov. 2, 2 story and basement, 142 x 241 ft., brick, concrete, tile and stone. $180,000. Puck

Buildings (Continued)

& Gilliuson, 600 Torrey Bldg., Duluth, archts.

Minn., Minneapolis—High Schools—Nov. 9, by Bd. Educ., City Hall, 3 story and unfinished basement, 45 x 250 x 300 ft., with 1 story, 60 x 300 ft. wing, 5th St. S. E. and 13th Ave., $650,000; 3 story and unfinished basement, 45 x 250 x 300 ft. with 1 story, 60 x 80 ft. wing, 26th St. and Emerson Ave., $600,000; both rein.-con., brick, stone and tile. G. F. Womrath, business supt. E. H. Enger, 245 9th Ave., N., archt.

Kan., Winfield—College—Nov. 1, by Southwestern College, and H. S. Conrow, archt., 623 Beacon Bldg., Wichita, 3 story and basement, 150 x 170 ft., rein.-con. and brick, $200,000. H. A. Noble, Reliance Bldg., Kansas City, Mo., engr. Noted Oct. 5.

Mo., St. Joseph — Hospital — Methodist Hospital Assn., receiving bids 7 story and basement, 120 x 180 ft., rein.-con., brick and steel, 8th and Farson Sts. Steel structure erected. $750,000. W. Boschen, Tootle Lacy Bank Bldg., archt. W. E. Gilham, 319 Mutual Bldg., Kansas City, engr.

Calif., Redwood City—High School—Nov. 18, by Trustees Sequoia Union High School Dist., three 1 story, rein.-con., school buildings, State Highway and Bway. $300,000. Coffey & Werner, Humboldt Bank Bldg., San Francisco, archts. Noted June 22.

Ont., Kitchener—City Hall—Nov. 8, by Schmalz & Jones, archts., 15 Queen St., 2 story, brick and sand stone. $250,000. Prices wanted on materials. A. Harttung, chn. building com.

BIDS RECEIVED

Pa., Altoona—School—School Dist. opened bids 3 story and basement, 224 x 232 ft., 6th Ave. and 15th St., general contract from H. J. Conrath Co., Ariel Bldg., Erie, $551,714. Prahl Constr. Co., Marine Bank Bldg., Erie, $556,462, P. H. Kelly Co., Presser Bldg., Phila., $564,340; heating from Sanitary Eng. Co., Anderson, Ind., $116,947, Freyn Bros., 31 West Michigan Ave., Indianapolis, Ind., $126,752, Becker-Siedel Co., 324 Prospect Ave., Cleveland, O., $129,000; plumbing from R. T. Withers Co., 24 North Mercer St., New Castle, $49,923. Freyn Bros., 31 West Michigan Ave., Indianapolis, Ind., $51,947. T. H. Williams, Harrisburg, (street address not available.) $54,500. Noted Sept. 21.

O., Athens—Gymnasium—Bd. Trustees Ohio University, opened bids Oct. 19, 2 story and basement, 107 x 160 ft., brick, stone and concrete, on campus, from E. H. Latham Co., 60 East Broad St., Columbus, $219,358; Wood Constr. Co., Lima, $220,400; C. P. Kircher, Athens, $234,000. Noted Sept. 28.

O., Logan—High School—R. Bright, clk. Bd. Educ., opened bids Oct. 20, 2 story and basement, 106 x 136 ft., brick and concrete, from J. S. Isabell, Bexley (Columbus P. O.), $127,830; J. H. and C. R. Anderson, Piqua, $130,717; C. P. Kircher, Athens, $132,200. Noted Sept. 28.

Wis., Superior—High School—Bd. Educ. 2 story and basement, 105 x 256 ft., rein.-con., brick, tile and stone, from Lindhart-Bayer Constr. Co., Eau Claire, $165,000; A. E. Rydlun, 2719 Lyndale Ave. N., Minneapolis, Minn., $198,000. Noted Oct. 5.

Ore., Portland—High School—Bd. Educ. opens bids about January, U. S. Grant High School, 2 story, brick and terra cotta. $430,000. Knighton & Howell, U. S. Natl. Bank Bldg., archts.

CONTRACTS AWARDED

Me., Lewiston—Auditorium—Auditorium Com., 1 story and basement, 180 x 200 ft., brick and rein.-con., plain foundation, Lisbon St., to T. F. Moreau & Co., Chestnut St. Archts. est. $150,000.

Mass., Boston—Apartment—Washington Heights Building Corp., 1607 Commonwealth Ave., will build 4 story and basement, brick, stone and steel, plain foundation, 1619 Commonwealth Ave., by day labor. $150,000. Private plans.

Conn., Winsted — Church — St. James Episcopal Church, Main St., 1 story and basement, 45 x 115 ft., stone, brick and steel, plain foundation, Main and Walnut Sts., to J. F. Carey, Winsted. Archts. est. $150,000. Noted Jan. 12.

N. Y., Brooklyn—Apartment—E. E. Lignante, c/o Slee & Bryson, archts. and engrs., 154 Montague St., 6 story, 50 x 125 ft., brick, steel and stone, plain foundation, 76 Remsen St., by day labor. $175,000.

N. Y., New York — Court House — H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., brick, steel and stone, plain foundation, East 161st St. between Washington and Brook Aves., to L. M. Neckerman, Inc., 103 Park Ave., $255,000. Noted Oct. 12.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., 12 story, brick, steel and stone addition, plain foundation, West 36th St., to Tidewater Bldg. Co., 16 East 33rd St. Archts. est. $1,200,000. Noted Sept. 28.

N. J., Atlantic City—Bank—Equitable Trust Co., 2024 Atlantic St., 2 story and basement, 48 x 96 ft., granite and limestone, to F. V. Warren & Co., 132 South 17th St., Phila. Archts. est. $180,000. Noted Oct. 19.

N. J., West Orange—School—Bd. Educ. brick, steel and stone, plain foundation, to J. Christianson, 270 Tremont Ave. Archts. est. $350,000. Noted Sept. 21.

Pa., Phila.—School—C. J. McCummisky, archt., 118 West Sharpnack St., 3 story and basement, 100 x 184 ft. brick, steel and stone, plain foundation, 24th and Wallace Sts., to W. R. Dougherty, 1610 Sansom St., for Roman Catholic Church. Archts. est. $200,000. Noted Aug. 24.

D. C., Wash.—Convention Hall—Convention Hall Assn. Co., Dist. Natl. Bank Bldg., convention hall, seating capacity 5,000, 19th and 20th Sts., N. W. and E St., to Parson & Hyman, 816 14th St. Archts. est. $375,000. Noted Sept. 21.

D. C., Wash.—Monastery—Sisters of the Visitation, monastery, to P. F. Gormley Co., Union Trust Bldg., $250,000. Noted Sept. 14.

D. C., Wash. — Study Hall — Roman Catholic Order of Minor Conventuales, Syracuse, N. Y. (street address not available) study hall, Michigan Ave. and Monroe St., N. W., here, to Boyle-Roberston Constr. Co., Evans Bldg., $150,000. Noted Oct. 12.

Ala., Birmingham—Market House—City, 2 story, 140 x 200 ft., steel and hollow tile, 3rd Ave. and 23rd St., to Inglenook Constr. Co., Realty Bldg., $195,000.

Tenn., Memphis — Office — Al Chymia Masonic Lodge, 10 story, brick and terra cotta, South Front St. and Monroe Ave., to Kaucher, Hodges & Co., Exch. Bldg., $600,000. Noted Sept. 21.

Ind., Ft. Wayne—Hotel—Keenan Hotel Co., 14 story and basement, 100 x 120 ft., rein.-con., steel, brick and terra cotta, Harrison St., to Fleisher Constr. Co., 608 Builders' Exch., Minneapolis, Minn. Archts. est. $1,000,000. Noted July 13.

Ind., Indianapolis—Hospital and Nurses' Home—City Bd. of Health, 3 story and basement, 44 x 136 ft. with 36 x 40 ft. wing, and 4 story and basement, 40 x 197 ft. with 38 x 48 ft. wing, brick, rein.-con. and hollow tile, to Cornell Eng. Co., Cornell St., $320,000. Archts. est. $400,000. Noted Oct. 19.

Mich., Royal Oak (Detroit P. O.)—Bank and Office—Royal Oak Savings Bank, 401 Main St., 2 story and basement, 40 ft. high, 85 x 110 ft., rein.-con., brick, steel and stone, plain foundation, Main and 4th Sts., to N. A. Starr, 112 Howarth Bldg. Archts. est. $150,000.

Ill., Champaign—Apartment—Co-operative Co., 3 story and basement, 140 x 165 ft., brick, to North-Raffin Constr. Co., 914 Chestnut St., Terre Haute, Ind. Archts. est. $200,000.

Ill., Chicago — Apartment — J. Hedman, c/o P. F. Olsen, archt., 127 North Dearborn St., 3 story and basement, 116 x 132 ft. rein.-con., brick and steel, Everett Ave. near 55th St., to Olson-Carlson Co., 5037 Dorchester Ave. Archts. est. $250,000.

Ill., Chicago — Bank — Logan Square Trust and Savings Bank, 2569 Milwaukee Ave., 1 story, 50 x 130 ft., rein.-con., brick and steel, 2561 Milwaukee Ave., to W. Hammerstrom, 3127 Fullerton Ave. Archts. est. $150,000.

Ill., Chicago—Home—Oak Haven Old People's Home, c/o R. A. White, pres., 140 South Dearborn St., 3 story, 90 x 96 ft., rein.-con., brick and steel, 113th St. and South Western Ave., to C. J. DeWitt, 11353 Edebrook Ave. Archts. est. $200,000. Noted Sept. 22, 1921.

Ill., Oak Park—Bank and Office—Oak Park Trust and Savings Bank, 3 story, brick, steel and stone, Lake and Marion Sts., to Hoggson Bros., 485 5th Ave., New York City. $450,000. Noted Sept. 14.

Ill., Oak Park—Club-House—Oak Park Club, c/o Holmes & Flinn, archts., 8 South Dearborn St., Chicago, 2 story, 160 x 165 ft., rein.-con., brick and steel, Ontario St. and Oak Park Ave., here, to Guy & McClintock, 107 North Park Ave. Archts. est. $300,000. Noted Aug. 3.

Ill., Oak Park — School—Bd. Educ. 2 story, rein.-con., brick and steel addition to William Bye School, Ontario and Cuyler Sts., to Guy & McClintock, 107 North Park Ave. Archts. est. $150,000.

Wis., Milwaukee — Apartment — Los Angeles Building Co., 373 Bway., 3 story and basement, 58 x 120 ft., brick and concrete, plain foundation, Summit Ave., to F. J. Hinton, 373 Bway. Archts. est. $150,000.

Ia., Des Moines—Schools—Bd. Educ. general contract Wallace School, East 13th and Cleveland Sts., to J. A. Benson Constr. Co., 422 Valley Natl Bank Bldg, $65,000; Elmwood School, 31st and Brattleboro Sts., to Western Constr. Co., 716 Park St., $66,500. Both 2 story, brick and concrete. Noted Oct. 12.

Ia., Lake City—High School—Bd. Educ., general contract, 2 story and basement, 80 x 140 ft., rein.-con., brick, tile and stone, to C. B. Campbell Co., Creston, $103,300. Noted Oct. 12.

Minn., Minneapolis — School — MacPhail School of Music and Dramatic Art, 804 Nicollet Ave., general contract, 4 story and basement, 50 x 55 x 157 ft., rein.-con., brick, tile and stone, 12th St. and La Salle Ave., to Carlsted Bros., 542 Builders Exch. Bldg., $146,204. Noted Sept. 28.

Calif., Exeter — High School — Exeter Union High School Dist., auditorium, gymnasium and domestic science buildings, for high school, general contract to Campbell Constr. Co., 3325 J St., Sacramento, $110,880; plumbing and heating to Latourette-Fical Co., 907 Front St., Sacramento, $6,750 and $22,300 respectively. Noted Oct. 5.

Calif., Oakland — School — Bd. Educ., Theodore Roosevelt school, general contract to R. W. Littlefield, 357 12th St., $365,300; brick and terra cotta, to H. Beckwith, 323 Newton Ave., $57,340. Noted Oct. 19.

Calif., Sacramento—Hospital—Sisters of Providence Hospital, c/o R. A. Herold, archt., Forum Bldg., rein.-con. hospital, to Mathews Constr. Co., Forum Bldg., $200,000.

Calif., Selma — Science — Selma Union High School Dist., 3 story, 145 x 151 ft., rein.-con., general contract to Olcester & Potter, Yuma, Ariz., $185,300. Noted Sept. 21.

Calif., Taft — School — Conley School Dist., 2 story, general contract including carpentry, millwork and glazing, to A. Johnson, Kingsburg Bank Bldg., Kingsburg, $65,635; concrete work to Frederickson & Shannon, Cory Bldg., Fresno, $17,800; brick work to P. Kindler, 145 North Van Ness St., Fresno, $42,000; lathing and plastering to McGruer & Simpson, 180 Jessie St., San Francisco, $34,943. Noted July 20.

Ont., Windsor—School—Bd. Educ., 2 story and basement, 100 x 220 ft. brick, steel and stone, Sandwich St., to Windsor Constr Co., Windsor, $256,041.

Federal Government Work

PROPOSED WORK

N. H., Portsmouth—Roof—Spec. 4711—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids re-roofing Marine Barracks and boiler house, here. Noted Oct. 5.

Va., Quantico—Storehouse—Spec. 4746—Bureau Yards & Docks, Navy Dept., plans storehouse, here.

Montana—Roads—Dept. Interior, Wash., D. C., takes bids in spring for Blackfoot Highway $120,000, North Fork Rd $243,000 gravel surfacing etc., Transmountain Rd., $650,000; bids in 1924 for Kintla Lake Rd. $25,000, Bowman Lake Rd. $30,000, Two Medicine Rd. $36,000. All foregoing in Glacier National Park and 16 ft. wide.

Calif., Richmond—Repairing Superstructure, etc.—U. S. Engineer, Custom House, San Francisco, plans repairing and reshaping existing superstructure, placing 9,000 ton rock riprap, building 800 ft. revetment, 10 ft. wide on top, slope of about 3 to 1, here.

H. T., Pearl Harbor—Remodeling—Spec. 4745—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans remodeling bachelor officers' quarters, here.

BIDS DESIRED

Pa., Pittsburgh—Steel Hull—Nov. 20 at office U. S. Engineer, 1 steel derrick boat hull; adv. this issue.

W. Va., Huntington—Horses and Props—Nov. 20 at Office U. S. Engineer, furnishing horses and props for Ohio River Dam 32; adv. this issue.

N. C., Moorhead City — Repairs — Spec. 4739—Nov. 15 by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to radio buildings, here. Noted Oct. 12.

S. C., Charleston—Dredging—Nov. 25, at office U. S. Engineer, Charleston, dredging western channel and Sampit River, Winyah Bay; adv. this issue.

Ala., Montgomery—Barge—Dec. 1 at office U. S. Engineer, Montgomery, for 1 steel barge; adv. this issue.

La., Carville—Re-Roofing—Nov. 17, by Treas. Dept., Wash., D. C., re-roofing buildings and structures for U. S. Marine Hospital (Natl. Home for Lepers), here. J. A. Wetmore, acting superv. archt.

O., Toledo—Roof—Nov. 20, by Treas. Dept., Wash., D. C., for roof over extended mailing platforms, etc., U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Federal Government (Continued)

Mo., St. Louis—Earthwork—Nov. 23, at office Secretary Mississippi River Comn., 1311 International Life Bldg., 380,000 cu.yd. earthwork, Kings Lake D.D.; adv. this issue.

Okla., Chandler—Post Office—Nov. 24 by Treas. Dept., Wash., D. C., for U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Okla., Shawnee—Post Office—Nov. 16, by Treas. Dept., Wash., D. C., for U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Utah, Vernal—Post Office—Nov. 15, by Treas. Dept., Wash., D. C., for U. S. Post Office complete incl. mechanical equipment, here. J. A. Wetmore, acting superv. archt.

BIDS RECEIVED

Mass., Fall River—Extension to Workroom—Treas. Dept., Wash., D. C., extension to workroom at U. S. Post Office, here, from Pearce Bros., Inc., 220 West 42nd St., New York City, $9,350; Garber & Cissel, Inc., Bethlehem, Pa., (street address not available), $9,500; G. E. Wright, Inc., Monadnock Blk., Chicago, Ill., $11,400. Noted Oct. 5.

R. I., Providence—Dredging—U. S. Engineer, dredging in New Haven Harbor, Conn., 60,000 cu.yd. excav. from J. S. Packard Dredging Co., 1004 Turks Head Bldg., $0.194 per cu.yd.; Taylor Dredging Co., foot of Cummunipaw Ave., Jersey City, N. J., $0.1975; Columbia Dredging Corp., 30 Church St., New York City, $0.212. Noted Sept. 28.

CONTRACTS AWARDED

N. Y., Chelsea—Hospital—Treas. Dept., Wash., D. C., wings for U. S. Veterans Hospital, here, to Northeastern Constr. Co., 101 Park Ave., New York, $419,274 (8 months.) Noted Oct. 19.

Pa., Phila. — Foundations — Spec. 4736—Bureau Yards & Docks, Navy Dept., Wash., D. C., foundations for existing frame buildings at Navy Yards, here, to P. J. Carlin Constr. Co., Grand Central Terminal Bldg., New York City, $43,300. Noted Oct. 5.

W. Va., Charleston—Post Office—Treas. Dept., Wash., D. C. construction incl. mechanical equipment, U. S. Post Office, here, to E. G. Heflin, 23 Law Bldg., Fredericksburg, Va., $56,964 (12 mos.) Noted Oct. 19.

Tenn., Memphis — Levee Work — U. S. Engineer Office, 1st and 2nd Dists., levee work in White River, to Roach, Stansell, Lawrence Bros. & Co., North Memphis Savings Bank Bldg., $20,930.

Idaho—Roads—C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., Smead-Simons Bldg., Missoula, Mont., 4.84 mi. Wolf-Lodge-Squaw Bay Rd., from Harrison to Coeur d'Alene, here, 35,100 cu.yd. earth and 102,000 cu.yd. rock excav., 6,000 cu.yd. crushed rock or gravel surfacing, etc., H. H. Boomer, 515 Zeigler Bldg., Spokane, Wash., $0.096 per cu.yd. for rock excav., total $117,224.

Idaho—Roads—C. H. Purcell, dist. engr., Bureau Pub. Rds., Missoula, Mont., grading and surfacing 4.93 mi. Moyea Canyon Rd., Leonia to Buckhorn, Boundary Co., 41,200 cu.yd. earth and 43,550 cu.yd. rock excav., 8,900 cu.yd. rock or gravel, to Pacific Coast Paving Co., 910 Rust Bldg., Tacoma, Wash., $106,352.

Idaho—Roads—C. H. Purcell, dist. engr., Missoula, Mont., 7.36 mi. Kootenai-Cabinet, Hope Pack River Sect., 42,000 cu.yd. earth and 137,000 cu.yd. rock excav., etc., to Sloan Constr. Co., 210 Columbia Bldg., Spokane, Wash., $172,409. Noted Oct. 19.

Calif., Los Angeles—Dredging—U. S. Engineer, widening Los Angeles Inner Harbor entrance channel, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, $190,000. Noted Aug. 24.

Calif., Mare Island—Remodeling—Spec. 4601—Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling Barracks Building 53 at Navy Yard, here, to F. H. Warren; 1032 California St., Vallejo, $19,595. Noted Oct. 19.

Calif., San Diego—Quarters, etc.—Spec. 4665—Bureau Yards & Docks, Navy Dept., Wash., D. C., for quarters, wings to mess hall, barracks, administration building and pump house at Naval Training Station and Barracks, here, to R. E. Campbell, 1190 State St., Salt Lake City, Utah, $193,352. Noted Oct. 19.

Miscellaneous

PROPOSED WORK

Golf Course, etc. — Bloomfield, Conn. — Bloomfield Club, c/o Touro Club, 553 Farmington Ave., Hartford, plans 18-hole golf course, club house, tennis courts, etc. $150,000. Engineer not announced.

Monument—Scranton, Pa.—United Mine Workers of America plan memorial monument here. N. J. Ferry, McAdoo, member of com. $50,000.

Wharf—New Orleans, La.—Bd. Port Comrs. having plans prepared by engineers of Dock Bd., for 2,000 ft. modern shedded wharf along Industrial Canal. $1,500,000.

Subway — Detroit, Mich. — Dept. Street Rys., Murphy Bldg., plans subway system in downtown section incl. dips on Woodward and Michigan Aves. Council appropriated $50,000 for preliminary plans.

River Wall—Waterloo, Ia.—River Front Comn., c/o H. R. Plowman, secy., making plans 300 ft. concrete river wall. $30,000. R. P. Slippy, Waterloo, engr.

Stadium — Minneapolis, Minn. — See "Buildings."

Transmission Lines — Cuero, Tex. — See "Industrial Works."

Transmission Line, Equipment, etc.—Bend, Ore.—See "Industrial Work."

Lighting System—Canby, Ore.—Takes bids about Nov. 14 electric lighting system. J. H. Ballneg, 512 Hancock St., Portland, engr.

Asphalt, etc.—Portland, Ore.—R. S. Dulin, supt. paving plant, takes bids in January, 2,000 ton grade D asphalt, one 5 ton motor truck, 1 asphalt storage tank and 1 steam roller.

Street Lights—Portland, Ore. — J. H. Mann, comr. Public Utilities, City Hall, takes bids in January, 200 street lights.

Electroliers—Berkeley, Calif.—City takes bids about Nov. 1, 151 electroliers, incl. transformer tops, underground conduits, etc., in University Ave. C. L. Huggins, city engr.

Electrolier System—Oakland, Calif.—G. E. Sheldon, secy. and mgr. of Up Town Assn., Albany Bldg., heads movement to install electrolier system on streets in uptown district. Cost 4.50 per front ft. To exceed $25,000. Property owners will finance.

Gas Mains — Montreal, Que. — Montreal Light, Heat & Power Co., Craig St. W., plans 211 ft. 4 in. pipe in Thornhill Ave., $397, 784 ft. 6 in. pipe in Papineau Ave., $2,508, 105 ft. 6 in. pipe in Notre Dame de Grace Ave., $239, 178 ft. 4 in. pipe in Troie Ave., $408, 105 ft. 4 in. pipe Holt Ave., $247, 50 ft. 6 in. pipe Christophe Colomb St., $137, 250 ft. 6 in. pipe in Marquette St., $6,271, 2,640 ft. 12 in. pipe in Davidson St. from Rouen to St. Catherine Sts., $13,366, 540 ft. 8 in. in Davidson St., from St. Catherine to Notre Dame Sts., $2,851, 2,640 ft. 12 in. pipe in Bourbonniere St., $18,628, 3,720 ft. 12 in. pipe in Bennett St., $26,141.

Electric Lighting and Power System—Sheddon, Ont.—Plans electric lighting and power distribution system, incl. line from St. Thomas. $40,000. Address W. Miller.

Electrification of Railway — Mexico — Mexican Government Natl. Rys. plans electrification of 276 mi. stretch of Tampico-San Luis Potosi Division. Address G. L. Trevino, Monterey, electrical engr. in charge.

BIDS DESIRED

Dock Wall—Buffalo, N. Y. — Nov. 2, by Commissioner Pub. Wks., Municipal Bldg., dock wall, low landing dock and rein.-con. bridged walk, foot of Porter Ave., crib construction, rein.-con., piles, earth excav., etc. To exceed $90,000. G. H. Norton, Municipal Bldg., city engr. Noted July 27.

Broken Trap Rock Stone, etc.—New York, N. Y.—Oct. 30, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., furnishing and delivering 4,000 cu.yd. broken trap rock stone and 2,000 cu.yd. broken trap rock stone screenings.

Coarse Aggregate—New York, N. Y.—Oct. 31, by J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 1,000 cu.yd. coarse aggregate for concrete.

Jetties, etc.—Longport, N. J.—Nov. 4, by Bd. Boro Comrs., constructing or extending stone or slag jetties or stone sea walls, placing stone along toe of seawall, placing and sinking floats in position, bulkhead, or any or all of them on Atlantic Ocean, here. W. S. Gilmore, boro clk.; adv. this issue.

Concrete Culvert Pipe—South Carolina—Nov. 4, by State Hy. Comn., Columbia, furnishing and delivering 6,800 lin.ft. 15 in., 6,700 lin.ft. 18 in., 4,200 lin.ft. 24 in., 650 lin.ft. 30 in. and 900 lin.ft. 36 in. rein.-con. culvert pipe to contractors, for use in road work to be let during November, December and January. $20,000. C. H. Moorefield, state highway engr.

Steel Shed—New Orleans, La.—Nov. 16, by Bd. Port Comrs., New Court Bldg., furnishing erecting and painting structural steel for 7th St. shed; adv. this issue.

Foundation—Cleveland, O. — Nov. 8, by Cleveland Public Library Bd., c/o A. Whitlock, Kenney-Levan Bldg., concrete pile foundation for 1 story, 200 x 200 ft. concrete library, East 3rd St. and Superior Ave. Total cost $4,000,000. Walker & Weeks, 1900 Euclid Ave., archts.

Cement — Loretto, Mich. — Meade & Scrastone, engrs., Journal Bldg., Madison, Wis., taking bids 5,000 bbl. cement, for Peninsular Power Co., Natl. Bank Bldg., Madison, Wis.

Spillway Gates—Turlock, Calif.—Nov. 3, by Dirs. Turlock Irrigation Dist., furnishing, fabricating and delivering spillway gates for Don Pedro Dam, Schedule 1, spillway gates, incl. 10 riveted steel drum type gates, 57 ft. long by 7 ft. 3 in. radius each complete with hinge castings, hinge pins, end seals, etc., 10 c.i. gate seats each consisting of 14 sections with connecting bolts and anchor bolts, etc.; Schedule 2, plates, including 10 channel beams, foundation hinge plates, 57 ft. long with anchor bolts and hinge cover plates, 20 pier plates for gates, 10 right and 10 left hand, two 24 x 36 in. trash racks with anchor bolts complete; Schedule 3, sluice gates, ten 24 x 24 in. bronze mounted direct pressure type sluice gates and ten 24 x 24 in. bronze-mounted sluice gates, back pressure type complete with gate frames and spigots, gate stairs, stem guides and gate hoists, also for gate hoists, stems and stem guides for siphon outlets; Schedule 4, siphon outlets, Schedule 5, ladders, etc. Bids may be submitted on any or all schedules but no proposals will be considered for any part of a schedule. R. V. Meikle, Turlock, engr. Noted June 22.

BIDS RECEIVED

Foundation, etc.—New York, N. Y.—Transit Comn., 49 Lafayette St., opened bids Oct. 20, foundations for 3rd addition to shops at Lenox Ave. and 148th St. Yard from Rosenthal Eng. & Contg. Co., 226 Jackson St., Brooklyn, $295,000, M. Del Balso, 660 East 221st St., $305,000, O'Connell & Strada, 3318 Olinville Ave., $345,000; furnishing and erecting structural steel for above (1) 19 A (2) 19 B (3) 20 A (4) 20 B, from Jobson Gifford Co., 30 East 42nd St., (1) $84.90 (2) $84.90, Donnell-Zane Co., 233 Bway., (1) $87.40, McClintic & Marshall, 50 Church St., (1) $89.40 (2) $95.40 (3) $78.60 (4) $86.60 Bethlehem Steel Bridge Corp., 111 Bway., (2) $92.60 (4) $80.20, Phoenix Bridge Co., 132 Nassau St., (3) $79.60 (4) $79.60, Post & McCord, 101 Park Ave., (3) $80. Noted Oct. 12.

CONTRACTS AWARDED

Coaling Station — Pa., Rikers (Punxsutawney P. O.)—Buffalo, Rochester & Pittsburgh R.R., 20 State St., Rochester, N. Y., 1,200 ton coaling station, here, to Ogle Constr. Co., 28 East Jackson Blvd., Chicago.

Mechanical Equipment—D. C., Wash.—C. Gilbert, archt., 244 Madison Ave., New York City, mechanical equipment for office building, here, to W. C. Cornell Co., 19 Patterson St., N.E., for U. S. Chamber of Commerce c/o L. A. Skinner, secy., Mills Bldg. Archts. est. $200,000. Noted Oct. 19.

Foundations—Grand Tower, Ill.—Middle West Power Co. of Illinois, foundations for electric power house, incl. sinking 48 open concrete caissons, 8-74 ft. diam., near here, to Union Bridge and Constr. Co., 903 Sharp Bldg., Kansas City, Mo., $350,000.

Lighting System—Maywood, Ill. — For underground street lighting system, incl. 1,764 concrete posts, to Kelley Constr. Co., 210 Bridge St., Chippewa Falls, Wis. $418,938.

Pipe—Kansas City, Kan.—For 4 car load class C, 6 in. c.i. pipe, to Natl. C. I. Pipe Co., 903 Commerce Bldg., Kansas City, Mo., $52.20 per ton.

Dykes, etc.—Aberdeen, Wash.—Grays Harbor Co. (Montesano) 4 mi. dykes, 30 mi. ditches, 10 mi. fill for streets and roads, street work includes dyking, draining and crowning ready for gravel, also clearing streets to width of 60 ft., to Parker-Schram Co., Couch Bldg., Portland, Ore., $80,000. Engrs. est. $90,000.

Car Bodies—San Francisco, Calif—Bd. Pub. Wks., furnishing and delivering under Contr. 132, Municipal Ry. System, 20 or more car bodies, f.o.b. place of manufacture, to Bethlehem Shipbuilding Corp. 20th and Illinois Sts., $7,626 each. Noted Aug. 17.

Rock Fill—San Francisco, Calif. — Bd. Pub. Wks., 3,600 ton Class A and 13,600 ton Class B rock fill along Marina Blvd., to Healy-Tibbitts Constr. Co., 9 Main St., $42,960. Noted Oct. 5.

Hydro Hoist and Lee Trailers—San Jose, Calif.—Santa Clara Co., furnishing one or more 1-A Heil hydro hoist 5, with all steel dump body 4 yd. with double acting tailgate, to Artana-Geoffroy Co. Inc., Santa Clara and River Sts., $877 each; one or more 5 ton Lee trailers (only one will be purchased at this time) to Benson & Weaver, 89 South Market St., $2,092. Noted Oct. 19.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Nov. 6.

School Building

Maywood, N. J.

Sealed proposals for the complete construction of a new Public School Building will be received by the Board of Education of Maywood in the County of Bergen, at the meeting room of the Board in the Public School Building, Grove Street, Maywood, New Jersey, until 8:30 o'clock p.m., Eastern Standard time, on Monday, the sixth day of November, 1922, at which place and time all bids received will be unsealed and the contents publicly announced. No bids will be received after the time designated.

Bids for the general construction, for the heating and ventilating, for the plumbing, and for the electrical work, will be taken separately.

A certified check for One Thousand ($1,000.00) Dollars, for the general construction, one for Five Hundred ($500.00) Dollars for the heating and ventilating, one for Three Hundred ($300.00) Dollars for the plumbing and one for One Hundred ($100.00) Dollars for the electrical work, made payable to the Board of Education of Maywood, New Jersey, to be treated as liquidated damages in case the bidder receiving the award shall fail to execute a contract and furnish the required bond, within ten days after notification of the acceptance of their bid.

The Board of Education reserves the right to reject any or all bids, or to waive defects or informalities in any bid if it be deemed to the interest of the Borough so to do.

A limited number of copies of the plans and specifications will be loaned to the prospective bidders on deposit of a check drawn to the order of the Board of Education, Maywood, New Jersey, in the sum of $10.00. These plans and specifications may be obtained from the Clerk of the Board, W. J. Cuddy, 105 Pleasant Avenue, Maywood, New Jersey, or from the Architect, Ernest Sibley, George F. Reeke, Associated, Edgewood Lane and Bluff Road, Palisade, New Jersey. Deposits will be forfeited unless plans and specifications are returned to the Architect or Clerk of the Board of Education within ten days after bids are opened.

Signed W. J. CUDDY,
District Clerk.

For the Board of Education, Borough of Maywood, N. J.
Dated Oct. 16, 1922.

Bids: Nov. 29.

Filtration Plant and Reservoir

San Juan, Porto Rico.

Sealed proposals for the furnishing of all labor and material for the construction of a 8,000,000 gals. filtration plant and a 10,500,000 gals. filtered water concrete reservoir for the City of San Juan will be received in the office of the Commissioner of Public Service until November 29, 1922, at 10 A.M.

All plans, specifications, instruction to bidders, blanks, forms for proposals and all other information may be obtained at the office of the City Commissioner of Public Works at San Juan, Porto Rico.

The right is reserved to reject any and all bids.

MARTIN TRAVIESO,
Commissioner of Public Service.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Furnishing, Delivering and Laying Water Pipe

Jersey City, N. J.

Sealed proposals will be received by the Board of Commissioners of Jersey City, Tuesday, October 31st, 1922, at 3 p.m., in the Assembly Chamber, City Hall, Jersey City, N. J., for the Furnishing, Delivering and Laying of about 5,000 Lineal Feet of 36-inch Cast Iron Water Pipe from Summit Avenue, through Jefferson Avenue to Palisade Avenue; Palisade Avenue to Hill Street to its easterly terminus; thence from the easterly terminus of Hill Street to Hoboken Avenue, a 36-inch steel pipe, as per plan; thence through Hoboken Avenue, a cast iron pipe to a point east of Jersey Avenue, to the Hoboken City Line, in accordance with specifications on file in the office of the City Clerk.

Said improvements to be made conformably to the provisions of Chapter 152 of the Laws of 1917.

Blank forms of bid, showing estimate of quantities, and agreements of sureties must be obtained at the office of the Chief Engineer, City Hall, Jersey City, N. J.

Proposals must be enclosed in sealed envelopes endorsed "Proposal for the furnishing, delivering and laying of about 5,000 lineal feet of 36-inch cast iron water pipe from Summit Avenue, through Jefferson Avenue to Palisade Avenue; Palisade Avenue to Hill Street, etc.," directed to this Board and handed to the City Clerk in open meeting when called for in the order of business relating to sealed proposals.

The bonds required to be furnished on proposals (and a possible subsequent contract) are those of some surety company authorized to do business in the State of New Jersey or a certified check will be accepted in lieu of bond. Bonds must also comply with the provisions of Chapter 75, P. L. 1918 of New Jersey.

The Board reserves the right to reject any or all proposals if it is considered for the best interests of the City so to do.

By order of the Board of Commissioners of Jersey City.
Dated, City Clerk's Office,
Jersey City, Oct. 13, 1922.
EDWARD J. HOLLAND,
City Clerk.

Bids: Nov. 7.

Sewage Disposal

Miami, Fla.

Sealed proposals will be received by the Commission of the City of Miami, Florida, at their regular meeting, November the 7th, 1922, until 9 a.m., for furnishing:

1 Motor driven sewage screen, including motors and necessary equiqment; capacity 2100 gallons per minute.

2 Motor driven centrifugal pumps, including motors and necessary equipment; capacity 2100 gallons per minute, against total head of 30 feet.

2400 feet 16 inch Class B Cast Iron Pipe.

Each proposal must be accompanied by a certified check for 2½ per cent of the amount of the bid, or by bidders bond, to insure the execution of the contract as provided by Section 56 of the City Charter.

The Commission of the City of Miami reserves the right to reject any or all bids.

Detailed specifications and bidders blank form can be obtained from Chas. W. Murray, Director of Public Service, upon deposit of $10.00, this deposit to be returned to those submitting a bona fide bid.

F. H. WHARTON,
City Manager.

OFFICIAL PROPOSALS

Bids: Nov. 8.

County Road Work

Atlantic City, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Atlantic, N. J., at 12 o'clock noon on November 8th, 1922, during a regular meeting of the Board at its meeting room in the Guarantee Trust Building, Atlantic City, N. J., for the reconstruction of Section 6 of Route No. 14 in Hamilton Township, County of Atlantic and State of New Jersey, with a Warrenite-Bitulithic pavement on a six inch (6") 1-3-5 concrete base. The estimated amount of pavement and of base is 8,123.51 square yards, together with excavation, extra embankment, gravel shoulders, drainage provisions and various other details required in the work. The aforesaid bids will be opened and read in public at the time and place stated for receiving them.

Plans, specifications and forms of bid, certificate of surety, contract and bond, as prepared by A. H. Nelson, County Engineer and approved by the State Highway Commission, have been filed at the office of the County Engineer at 636 Guarantee Trust Bldg., Atlantic City, N. J., and at the office of the State Highway Commission in Broad St. Bank Bldg., Trenton, N. J., at which places they may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of said plans and specifications by the County Engineer on consideration of a deposit of $10.00 which deposit will be refunded if the plans and specifications are returned to him in good condition by noon of November 8th, 1922. Each bid must be made on the standard proposal form, in the manner designated therein and required by the specifications, must be enclosed in a sealed envelope bearing on the outside the name and address of the bidder and the name of the road and the envelope must be addressed to the Board of Chosen Freeholders, Atlantic County, N. J. Each bid must be accompanied by a certificate of surety and by a certified check in an amount not less than 10% of the bid and must be delivered at the place and on the hour above stated for receiving bids. A contract will be awarded, if awarded at all, subject to the approval of the State Highway Commission ofr New Jersey and also subject to the sale and delivery of bonds, which will be issued for the purpose of paying for the proposed work. The Board reserves the right to reject any or all bids.

By order of the Board of Chosen Freeholders of the County of Atlantic, N. J.
F. W. WILLETTS,
Clerk.

Bids: Dec. 1.

Cast Iron Pipe and Castings

San Juan, Porto Rico.

Sealed proposals for the furnishing of about 20,020 tons of cast iron pipe and of 250 tons of special castings, or its equivalent in steel pipe and specials, delivered at San Juan, Porto Rico, for the City of San Juan, will be received in the office of the Commissioner of Public Service until December 1, 1922, at 10 a.m.

All plans, specifications, instruction to bidders, blanks, forms for proposals and all other information may be obtained at the office of the City Commissioner of Public Works at San Juan, Porto Rico.

The right is reserved to reject any and all bids.

MARTIN TRAVIESO,
Commissioner of Public Service.

OFFICIAL PROPOSALS

Bids: Oct 31.

Highway Work

Baltimore, Md.

Sealed proposals for building eight sections of State Highway, as follows:

Garrett County—Cont. G-24—One section of state highway from Luke to Bloomington, a distance of 0.5 miles (Penetration Macadam).

Allegany County—Cont. A-22—One section of state highway along the Williams Road, for a distance of 1.6 miles (Concrete).

Howard County—Cont. HO-26—One section of state highway along the Old Frederick Road from the end of St. Johns Lane to the Woodstock Road, a distance of 2.56 miles (Concrete).

Montgomery County—Cont. M-39—One section of state highway thru Laytonsville, for a distance of 1.0 miles (Concrete).

Montgomery County—Cont. M-38—One section of state highway from Dawsonville toward Beallsville for a distance of 1.0 miles (Concrete).

Montgomery County—Cont. M-37—One section of state highway from Dawsonville towards Seneca, for a distance of 1.0 miles (Concrete).

Montgomery County—Cont. M-40—One section of state highway from Seeks Corner to the Pr. Geo. County Line, for a distance of 0.7 miles (Concrete).

Anne Arundel County—Cont. AA-26—One section of state highway from Tracy's Corner toward Nutwell, a distance of 1.0 miles (Gravel)

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M., on the 31st day of October, 1922, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 11th day of October, 1922.

JOHN N. MACKALL,
Chairman
L. H. STEUART,
Secretary

Bids: Nov. 10.

Well

Gridley, Ill.

Sealed bids will be received by the Trustees of the Village of Gridley, Illinois, until 2 o'clock p.m., November 10, 1922, and then publicly opened and read, for furnishing all labor and material for the construction of one well, 8 inches in diameter and approximately 290 feet in depth, and equipped with a strainer, all in accordance with the plans and specifications for same on file in the office of the Village Clerk.

Proposals must be made on blanks furnished by the Village and in accordance with the instructions furnished therewith and which may be had on application to the Village Clerk.

Each proposal must be accompanied by cash or by a certified check payable to the order of the Treasurer, Village of Gridley, for an amount not less than 10% of the amount of the proposal.

The person or persons to whom the contract is awarded will be required to file a bond, with good and sufficient sureties, to guarantee the faithful performance of the contract.

Payment for the work will be made in cash.

Plans and specifications may be obtained from the Engineers, Taylor & Woltmann, 428 Unity Bldg., Bloomington, Illinois.

The Trustees reserve the right to reject any or all bids.

A. L. KLOPFENSTEIN,
President.
A. O. RUPP,
Clerk.

OFFICIAL PROPOSALS

Bids: Dec. 11.

Labor-Material Percentage Contract

New Orleans, La.

Sealed proposals will be received at the Sewerage and Water Board, Room 401, No. 526 Carondelet Street, New Orleans, La., up to 12 o'clock noon of Monday, December 11th, 1922, on Labor-Material Percentage Contract for year 1923.

Specifications and blank forms of proposal may be obtained at the office of the Board.

The right is reserved to reject any or all bids.

October 12th, 1922.

A. G. MOFFAT,
Secretary.

GEO. G. EARL,
General Superintendent.

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these advertisers through *Engineering News-Record's* large NATIONAL circulation, reaching almost every worthwhile contractor, dealer, and manufacturer in the country interested in bidding on public work contracts. It is the DOMINANT MEDIUM for advertising contracts for work, material, and supplies for towns, cities, counties, state and government departments, and private organizations.

Bids: Oct. 31.

Road Reconstruction

Avon, N. J.

Notice is hereby given that sealed bids will be received by the Council of the Borough of Avon for the Reconstruction of the Ocean Boulevard, Borough of Avon, N. J., with a Warrenite-Bitulithic Pavement on a concrete base and with a Sheet Asphalt Pavement on a concrete base and opened and read in public at the rooms of said Council, Borough Hall, Avon, N. J., on Oct. 31, 1922, at 2.00 p.m.

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., Civil Engineer, have been filed in the office of said Engineer at 60 Broad Street, Red Bank, New Jersey, and at Borough Hall, Avon, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Council of Borough of Avon and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the Collector of Borough of Avon and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Council of the Borough of Avon reserves the right to reject any or all bids if deemed to the best interests of the Borough so to do.

By order of the Council of Borough of Avon.

JOHN THOMSON,
Mayor.

Attest:
RUTH A. DORN, Clerk.
Avon, N. J., Oct. 17, 1922.

OFFICIAL PROPOSALS

Bids: Nov. 14.

Change of Date for Receiving Sewage Disposal Plant Proposals

Indianapolis, Ind.

Sealed proposals will be received by the Board of Sanitary Commissioners Sanitary District of Indianapolis, at its office in the City Hall, Indianapolis, Indiana, until 10 a.m. November 14th, 1922, at which time bids will be publicly opened and scheduled and awards made as soon thereafter as practicable, for the construction of Section 3, Division 111, and furnishing and erecting mechanical equipment for the Sewage Disposal Plant of the Sanitary District of Indianapolis, in accordance with plans and specifications on file at the office of the Board. This construction and equipment consists of the following items:

1. Activated Sludge Plant:
   - a. Aeration and Settling Tanks including operating Gallery and Connecting Conduits.
   - b. Air Mains, Air Distribution System; Sewage, Sludge and Drain Piping.
   - c. Sluice Gates and Gate Valves.
   - d. Air Control and Drain Valves.
   - e. Diffuser Plates.
   - f. Air and Sewage Meters and Recorders.
   - g. Sludge Removal Equipment erected
2. Power Plant Auxiliary Equipment:
   - a. Boiler Settings and Breeching.
   - b. Coal Storage Bunker.
   - c. Coal Handling Equipment.
   - d. Power Plant Piping.
   - e. Boiler Feed Pumps and Regulators.
   - f. Feed Water Heaters and Softening System.

Each bidder shall be required to deposit with his bid a certified check in the amount as provided in said specifications and information to bidders, to secure the execution of the contract for which bid is made.

Copies of plans and specifications and general information may be obtained at the office of Charles H. Hurd, Consulting Engineer, 1405 Merchants Bank Building Indianapolis, Indiana.

The Board reserves the right to reject any and all bids.

Board of Sanitary Commissioners.
JAY A. CRAVEN,
President.
JOHN L. ELLIOTT,
Vice-Pres.
LUCIUS B. SWIFT.

Bid. Nov. 1.

State Road Work

Providence, R. I.

Sealed proposals for the construction of the following sections of State Highway will be received by the State Board of Public Roads at its office State House Providence, R. I. until 12M on Wednesday, November 1st, 1922, at which time they will be opened and read in public:

Contract No. 2205—Lincoln-Smithfield Avenue, Pawtucket Line to Lonsdale Ave., 1.32 miles—Sheet Asphalt Pavement with Concrete Base.

Contract No. 2206—North Kingston-Ten Rod Road, Wickford Junction easterly to Tower Hill road, 1.8 miles—Bituminous Macadam.

Contract No. 2207—South Kingston-Kingston Road, Usquepaug to West Kingston Station, 2.46 miles—Bituminous Macadam.

Contract No. 2208—Warwick-Apponaug Road, Pawtuxet Bridge to Elmwood Avenue, 2.05 miles—Bituminous Macadam.

Bids must be made upon blank forms to be furnished by the Board. No bids will be accepted unless accompanied by a certified check for the sum of $200.00, payable to the State of Rhode Island.

The Board reserves the right to reject any and all bids, and to give preference to towns or cities, in accordance with Section V of Chapter 84 of the General Laws.

Plans may be examined and specifications and bidding blanks may be obtained at the office of the State Board of Public Roads, State House, Providence, R. I., on and after Friday, October 20, 1922, every week day (except holidays and Saturdays), between the hours of 9 a.m. and 5 p.m. Saturdays 9 a.m. to 12 m.

State Board of Public Roads.
ABRAM L. ATWOOD.
BENJAMIN F. ROBINSON.
FRANK COLE.
J. H7NRY WOODARD.
ALTON HEAD.

OFFICIAL PROPOSALS

Bids: Nov. 1.

Construction of Power House

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Wednesday, November 1st, 1922, at which place and hour they will be publicly opened and read, for the development of canal water power pursuant to the provisions of Chapter 532 of the Laws of 1922, as follows:

CONTRACT B-3—VISCHER FERRY POWER HOUSE

For constructing a power house and work incidental thereto, at Vischer Ferry dam, County of Saratoga.

Sheets 1-15, inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, forms of contract and bonds required, and other information for proposers, may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Eastern Division, Wedgeway Building, Schenectady, N. Y.; at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division, at Rochester, N. Y.; at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bond, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposit of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner, if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.

October 7th, 1922.

OFFICIAL PROPOSALS

Bids: Oct. 30.

Street Improvement

Laurel, Miss.

Sealed proposals will be received by the Mayor and Board of Commissioners of the City of Laurel, Mississippi, until two o'clock P.M., October 30th, 1922, at the office of the City Clerk of said city for constructing approximately:

19,865 sq.yds. brick pav't concrete foundation.
16,160 sq.yds. gravel surfacing.
20,243 lin.ft. combined curb and gutter.
3,000 sq.yds. concrete sidewalk.
1,357 lin.ft. 8-in. sanitary sewer with all appurtenances thereto.

Plans and profiles may be seen, specifications and proposal forms may be obtained at the office of the City Clerk of the City of Laurel.

J. H. PACE,
Street Commissioner.

A Bonding Company's Suggestion to Official Proposal Advertisers

"A large part of our contract bond business is submitted to us by wire, and I am a constant reader of the Official Proposals in order to find out the size and nature of the work that is referred to in the bond application. Very frequently I am unable to get any clear idea of what the advertisers are asking bids on, and of course the prospective bidder or contractor is also at a loss to know what kind of a job is being advertised.

"Traveling expenses are heavy at the present time, and contractors pay out considerable sums during the course of a year in investigating prospective contracts. This of course is a large charge that the owners eventually pay, and anything that will reduce the general overhead of contract work will eventually be to the advantage of the owner.

"One way to reduce this overhead is to word the advertisement so that the contractor sitting in his office will know whether or not he should investigate and prepare a bid on the proposed work."

Bids: Nov. 1.

Water Main Extension

Elmsford, N. Y.

Sealed bids for the construction of the extension to the water mains in the Village of Elmsford, N. Y., will be received by the Board of Trustees of said Village at the Corporation Rooms, Lawn Avenue, Elmsford, N. Y., until 8 o'clock p.m., Wednesday, November 1st.

Plans and Specifications may be obtained at the office of the Wulff Engineering Company, National Bank Building, Tarrytown, N. Y.

A certified check in the amount of three thousand ($3,000) dollars must accompany each bid.

The Board of Trustees reserve the right to reject any or all bids and to accept whatever bid they deem for the best interests of the Village.

Dated this 17th day of October, 1922, at the Village of Elmsford, N. Y.

ALBERT T. WILSON,
Village Clerk.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Barge Canal Terminals

Albany, N. Y

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, October 31st, 1922, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

TERMINAL CONTRACT NO. 91.

For paving a portion of the terminal site at Hallets Cove, New York City.

Contract plans, sheets 1 to 3 inclusive.

Plans may be seen and detailed specifications, engineers' estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.

September 28, 1922.

OFFICIAL PROPOSALS

Bids: Nov. 24.

Superstructures, Chimney, Crane and Filter Plant

Memphis, Tenn.

Sealed proposals, addressed to the Board of Commissioners of the Memphis Artesian Water Department, and endorsed with the bidder's name and designation of the work bid upon will be received at the office of the Memphis Artesian Water Department at Memphis, Ten., until 12 o'clock noon of the 24th day of November, 1922, and then publicly opened and read, for the construction at Memphis, Tenn., of building superstructures for new water supply and for the furnishing and installing of machinery, the work being divided into contracts as follows:

Contract 7. Superstructures, chimney and filter equipment.

Contract 8. Coal and ash handling system.

Contract 9. Three 9 m.g.d. low-head, centrifugal pumps direct conected to reaction water-turbines.

Contract 10. Two 100 k.w. direct-connected unaflow engine generator sets and switchboard.

Bids may be made upon any or all contracts, but a bid upon any contract must include all work under that contract.

Contract 7 includes the brick walls, stone trim, steel frame and roof of the pumping station, approximately 125 feet by 225 feet in plan and 50 feet high; the walls and stone trim of the iron removal plant approximately 90 feet by 160 feet in plan and 25 feet high; the superstructure of the aerator house; tile and cement floor finish; steel sash doors; roofing; plumbing, heating and lighting; a 15 ton 120 foot span traveling crane; a 9 foot by 225 foot radial brick chimney; sand, gravel, pipe laterals and operating tables for eight filters; two dry feed machines; and various incidental work.

Copies of the bidding blanks, bonds, contracts, specifications and drawings may be obtained from the office of the engineers, Fuller & McClintock, 421 Produce Exchange Bldg., Kansas City, Mo., or may be inspected at any of the following offices:

Memphis Artesian Water Department, Memphis, Tenn.

Fuller & McClintock, 170 Broadway, New York City.

Fuller & McClintock, 319 Summit-Cherry Bldg., Toledo, Ohio.

A charge of $20.00 wil be made for each set of specifications which charge will be refunded provided the specifications are returned within 30 days after bids are received.

The Water Commission reserves the right to reject any or all bids, to waive any informalities in the bids received, and to accept any bid or bids which they deem most fatorable to the interests of the City of Memphis.

By order of the Board of Commissioners of the Memphis Artesian Water Department.

Bids: Nov. 4.

Jetties, Sea Walls and Bulkhead

Longport, N. J.

Sealed proposals for the construction or extension of stone or slag jetties or stone sea walls; the placing of stone along the toe of the seawall; the placing and sinking of floats in position; and the construction of a bulkhead, or any or all of them, on the Atlantic Ocean, in the Borough of Longport, County of Atlantic, State of New Jersey, will be received by the Board of Commissioners of the Borough of Longport, at 3.00 o'clock in the afternoon, November 4, 1922, during a regular meeting of said Board of Commissioners, at the Commission Chamber, Borough Hall, Longport, N. J., said bids to be opened and read in public at the aforesaid time and place.

Plans, specifications and form of bid, certificate of surety, contract and bond, covering proposed work, are on file in the office of the Borough Clerk, at Borough Hall, Longport, N. J., where they may be inspected during business hours. Any prospective bidder will be furnished with a complete set of the plans and specifications of the proposed work in consideration of a deposit of $10.00 and such deposit will be refunded if both plans and specifications are returned in good condition on or before November 4, 1922. Each bid must be made on the standard proposal form in the manner required by the specifications, must be enclosed in a sealed envelope marked "Proposals for Construction of Stone Jetties or Stone Seawalls, etc., or any or all of them, at Longport, N. J., to be opened at 3:00 P.M., November 4, 1922, and with the certificate of surety properly filled in, and shall be enclosed in another envelope addressed to William S. Gilmore, Borough Clerk, Borough Hall, Longport, N. J." These envelopes must not be marked in any other manner. Each bid must be accompanied by a certified check payable to the Director of Revenue and Finance, or cash, in the amount of $1,000.00 and no bid will be received after the hour fixed for receipt of bids.

A contract will be awarded, if awarded at all, within one month of the date of receiving bids.

The right is reserved to reject any or all bids.

By order of the Board of Commissioners of the Borough of Longport, N. J.

WILLIAM S. GILMORE,
Borough Clerk.

Contractors Everywhere Read These Advertisements

to see where bids are desired on contracts suited to their available plant and organization. The suggestion is therefore made to advertisers that they word their advertisements so that the contractor will get a good idea of the size and kind of work to be let, and perhaps the plant needed. This should result in an increased number of desirable bidders.

Bids: Nov. 1.

Metal Doors and Partitions

Marcy, N. Y.

Sealed proposals for Construction—Metal Doors and Partitions for Water Closet Compartments (One Building for Acute Patients; Two Buildings for Chronic Patients) at the Utica State Hospital—Marcy Division, Marcy, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 P.M., Wednesday, November 1, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 4010. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Utica State Hospital, Utica, N. Y.; at the New York Office of the Department of Architecture, Room 1058, 25 Broadway; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: October 17, 1922.

TO SUBLET

Hauling of Material on 13 Mile Concrete Base-Contract, in Southern Kentucky—Average Haul 2½ Miles—Industrial Equipment Preferred—

METZEL & O'HEARN
Covington, Ky.

OFFICIAL PROPOSALS

Bids: Nov. 8.

Road Reconstruction

Atlantic City, N. J.

Sealed bids will be received by the Board of Chosen Freeholders of Atlantic County, N. J., at 12 o'clock noon on Nov. 8th, 1922, during a regular meeting of said board at the Freeholders' Meeting Room in the Guarantee Trust Bldg., Atlantic City, N. J., for the reconstruction of Cedar and Landis Avenues from Mays Landing-Downstown Road in Richland to the line between the Counties of Cumberland and Atlantic, with a Warrenite-Bitulithic pavement on a six inch (6") 1-3-5 concrete base; estimated amount of surface pavement and concrete base required is 44,663 sq.yds. together with gravel shoulders, excavation and embankment, drainage provisions, guard rail and other items; said bids to be opened and read in public at the aforesaid time and place.

Drawings, specifications and form of bid, certificate of surety, contract and bond, covering proposed work, are on file in the Office of the County Engineer at 636 Guarantee Trust Bldg., Atlantic City, N. J., where they may be inspected and a prospective bidder may secure a copy of the specifications and blueprints of the plans upon the deposit of $10, which deposit will be refunded provided the plans and specifications are returned to the County Engineer's office in good condition by noon on Nov. 8th, 1922. Each bid must be made on the standard proposal form in the manner required by the specifications and must be accompanied by a certified check, or cash, in the amount of Ten (10%) per cent of the bid except that the amount need not exceed $20,000.

A contract will be awarded, if awarded at all, within one month of the date of receiving bids and such award will be made subject to the sale and delivery of bonds to be issued for the purpose of financing the reconstruction. The right is reserved to reject any or all bids.

By order of the Board of Chosen Freeholders of Atlantic County, N. J.

F. W. WILLETTS,
Clerk.

Bids: Nov. 4.

Drainage Work

Bolton, N. C.

Notice is hereby given that sealed proposals for repair and improvement of the main ditch of Columbus County Drainage District No. 2, will be received until twelve o'clock noon, Eastern Standard time, November 4, 1922, at the office of the Board of Drainage Commissioners, Bolton, N. C.

The work to be performed consists of removing earth from the main ditch for a distance of approximately three miles, between laterals D and G, by means of a drag line. Earth to be deposited on one side.

The yardage of earth to be removed is approximately 168,000 cubic yards. The date of completion to be five months from date of awarding contract.

A certified check in the amount of $2,000.00 payable to the Board of Drainage Commissioners of Columbus County Drainage District No. 2, must accompany each proposal. Checks of unsuccessful bidders will be returned within ten days of awarding of the contract.

The said board reserves the right to reject any or all bids. Plans and specifications are on file at the office of the Board, Bolton, N. C., or same will be mailed upon application when same is accompanied by a deposit of $10.00, which will be refunded if plans are returned in good condition.

By order of the Board of Drainage Commissioners, Columbus County Drainage District No. 2.

G. T. MEYER, Secretary.

I can't handle all the Contract Bond and Compensation Insurance so I handle only the best of it. That is one reason why the Surety Companies are glad to handle my risks.

SWART
92 William St., New York

OFFICIAL PROPOSALS

Bids: Nov. 16.

Structural Steel Shed

New Orleans, La.

Sealed proposals will be received by the Board of Commissioners of the Port of New Orleans at their office, Suite 200, New Court Building, until 3:00 P.M., November 16, 1922, and then publicly opened for furnishing, erecting and painting of the structural steel required for the Seventh Street Shed.

A deposit of $1,000.00 in cash or certified check is required with each proposal.

A bond to the amount of 50% of the sum bid is required with notarial contract.

Specifications and proposal forms are on file in the office of the Supervisor of Purchases, at No. 1 Canal Street, New Orleans, Louisiana. Complete sets will be furnished to prospective bidders on deposit of $5.00, which will be refunded to depositors who submit proposals, or return sets in good condition.

The right is reserved to reject any or all bids and to waive informalities.

J. H. WALSH,
General Manager.

Req. E. D. 12552.

UNITED STATES SHIPPING BOARD

Invites Tenders

for

Pier Removal and dredging

The United States Shipping Board, through the United States Shipping Board Emergency Fleet Corporation, Washington, D. C., invites bids upon the removal of Pier No. 5 and dredging areas between Piers Nos. 4 and 6, United States Shipping Board Terminal, Hoboken, New Jersey.

Bids should be submitted as follows:

(a) Lump sum for removal of Pier No. 5.

(b) Price per cubic yard for dredging (1) Slip between Piers Nos. 4 and 5, (2) Area covered by Pier No. 5 and (3) Slip between Piers Nos. 5 and 6.

Copies of Proposal for Bids, Specifications, Bid, Contract and Bond will be supplied on application to J. M. Hoffman, Room 1907, U. S. Shipping Board, Washington, D. C., and bidders will also be permitted to visit and inspect property and to make their own soundings if desired. Apply to J. M. Hoffman, or J. W. McGovern, 45 Broadway, New York City for pass to inspect property.

Bids will be received at the office of the United States Shipping Board Emergency Fleet Corporation, Washington, D. C., until 12 noon, November 10, 1922. Envelopes should be addressed to J. M. Hoffman and plainly marked "Pier Removal and Dredging Bids, Hoboken Terminal."

The right is reserved to reject any or all bids or parts of bids.

UNITES STATES SHIPPING BOARD
Washington, D. C.

OFFICIAL PROPOSALS

Bids: Nov. 1.

Metal Doors and Partitions

Central Islip, N. Y.

NOTICE TO CONTRACTORS: Sealed proposals for Construction-Metal Doors and Partitions for Water Closet Compartments (additional quarters for acute patients) at the Central Islip State Hospital, Central Islip, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 p.m., Wednesday, November 1, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 4008. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Central Islip State Hospital, Central Islip, N. Y., at the New York Office of the Department of Architecture, Room 1058, 25 Broadway; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commisson.
Dated: October 17, 1922.

Engineering News-Record Reaches Your Local Contractors

Its distribution among the contractors of any one state is in proportion to the number of contractors situated in that state. The Official Proposal Columns of *Engineering News-Record* offer precisely the same efficient service to municipalities, counties, and state and government departments in every section of the United States.

Bids: Nov. 14.

Assembly Hall and Industrial Building

Letchworth Village, Thiells, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work—Attendants' Home—Assembly Hall and Industrial Building (Girls' Group) at Letchworth Village, Thiells, N. Y., will be received by Mr. Mortimer B. Patterson, President of the Board of Managers of Letchworth Village, at No. 7 Wall Street, New York City, until 12 o'clock Noon on Tuesday, November 14, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 3928, 3929, 3930, 3931, 3932, 3933, 3934 and 3935. The right is reserved to reject any or all bids. Drawings and specifications may be examined at No. 7 Wall St., New York City; at Letchworth Village, Thiells, N. Y.; at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

Dated: October 19, 1922.

OFFICIAL PROPOSALS

Bids: Nov. 13.

Dredging

Newark, N. J.

Sealed proposals will be received from 10:00 to 10:15 A.M., on Monday, November 13, 1922, at the office of the Director of the Department of Streets and Public Improvements on the second floor of the City Hall and then publicly opened and read for the dredging of a portion of the City of Newark Channel at Port Newark Terminal; approximate yardage to be removed 500,000 cubic yards.

Bids must be made upon blanks to be furnished by the Department.

Plans and specifications and proposal blanks may be obtained at the office of the Bureau of Docks, room 205, City Hall.

Terms of proposal and surety required are fixed by the specifications.

The contract will be awarded to the lowest responsible bidder, the right being reserved to reject any and all bids or waive informalities therein, and to award contracts for the whole or any part thereof.

By direction of the Board of Commissioners of the City of Newark.

THOMAS. L. RAYMOND,
Director, Department of Streets and Public Improvements.

U. S. GOVERNMENT

SEALED PROPOSALS, indorsed "Proposals for Steel Water Tank, Tupper Lake, N. Y., Specification No. 4724," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., November 15, 1922, and then and there publicly opened, for 200,000 gallon steel tank with tower and appurtenances at the U. S. Veterans' Hospital, Tupper Lake, N. Y. Specification No. 4724 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $5, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the specification. R. E. BAKENHUS, Acting Chief of Bureau, October 5, 1922.

SEALED PROPOSALS, indorsed "Proposals for Stack, Tupper Lake, N. Y., Specification No. 4722," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., November 15, 1922, and then and there publicly opened, for a radial brick stack on a concrete foundation, at the U. S. Veterans' Hospital, Tupper Lake, N. Y. Specification No. 4722 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the specification. R. E. BAKENHUS, Acting Chief of Bureau, October 5, 1922.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 21, 1922. Sealed proposals will be opened in this office at 3 p.m., November 10, 1922, for Exterior and interior painting at the U. S. Post Office, Rhinelander, Wis., in accordance with the specification, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

PROPOSALS FOR CONCRETE CAISSON BREAKWATER. — U. S. Engineer Office, Room 1201, 537 South Dearborn Street, Chicago, Illinois.—Sealed proposals for constructing concrete caisson breakwater at Indiana Harbor, Indiana, will be received here until 10 a.m., November 6, 1922, and then opened. Further information on application.

U. S. ENGINEER OFFICE, PROVIDENCE, R. I. Sealed proposals will be received here until 12 o'clock, noon, Oct. 30, 1922, and then opened for maintenance dredging in Milford Harbor, Conn. Further information on application.

U. S. ENGINEER OFFICE, BUFFALO, N. Y.—Sealed proposals will be received here until 11 a.m., October 30, 1922, and then opened for constructing stone-concrete superstructure on breakwater, Buffalo Harbor, N. Y. Further information on application.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, MILWAUKEE, WIS., Sept. 30, 1922. Sealed proposals will be received here until 2 p.m., Nov. 6, 1922, and then opened, for constructing pile pier, removing old timber-crib pier, and dredging at Racine Harbor, Wis. Further information on application.

SEALED PROPOSALS, indorsed "Proposals for Refrigerating Equipment, Tupper Lake, N. Y. Specification No. 4720," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., November 15, 1922, and then and there publicly opened, for refrigerating and ice-making equipment, using as refrigerant any satisfactory substance, except ammonia, and consisting of two motor-driven compressors, condensers, liquid receiver, two motor-driven brine pumps, a combination freezing and brine cooling tank with expansion coils, a water-precooler tank with coils, two charcoal filters, brine agitator, water agitating system by compressed air, automatic can filler, hand operated can hoist, automatic can dump and ice chute, ice cans, oil and scale traps, piping and other accessories; and for cold storage rooms with insulation for eight compartments including doors, floors and equipment for the storage and handling of goods in the subsistence building at the U. S. Veterans' Hospital, Tupper Lake, N. Y. Drawings and specification No. 4720 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. R. E. BAKENHUS, Acting Chief of Bureau, October 6, 1922.

SEALED PROPOSALS, indorsed "Proposals for Boiler Plant Equipment and Steam Distribution, Tupper Lake, N. Y., Specification No. 4719," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., November 15, 1922, and then and there publicly opened, for Mechanical equipment, piping and an outside steam distributing system consisting of brick settings on concrete foundations for 5 water tube boilers, side-feed mechanical stokers with extension furnaces, smoke flue, feed water heater, storage tank, feed water and vacuum pumps, combined twin pump and receiver, drip traps, an incinerator plant equipped with two incinerators and hot water heating and sterilizing equipment and complete piping systems for all equipment; the installation of 5 marine type water tube boilers furnished by the Government, and an outside steam distribution system including condensate and vacuum return lines; all at the U. S. Veterans' Hospital, Tupper Lake, N. Y. Drawings and Specification No. 4719 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $20, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. R. E. BAKENHUS, Acting Chief of Bureau, October 5, 1922.

SEALED PROPOSALS will be received and publicly opened by the Director of the U. S. Veterans Bureau in the office of the Quartermaster General, 2306 Munitions Building, Washington, D. C., at 11:00 A.M., November 14, 1922, for the construction of a 400 bed neuro-psychiatric hospital at Camp Sherman, Chillicothe, Ohio. Work will include construction of twenty-two buildings, built of reinforced concrete and brick, complete with water, lighting, heating and sewer systems, roads and walks. Plans and specifications may be obtained after October 14, upon deposit of $100, from the Quartermaster General, 2312 Munitions Building, Washington, D. C., or from the Constructing Quartermaster, Chillicothe, Ohio. One set of plans and specifications will be on exhibition at each of the following stations: Constructing Quartermaster, 39 Whitehall Street, New York City, Constructing Quartermaster, Scott Field, Belleville, Illinois; Quartermaster Supply Officer, Chicago General Intermediate Depot, 1819 West Pershing Road, Chicago, Illinois.

U. S. GOVERNMENT

PROPOSALS FOR LEVEE WORK.—Office of the Secretary, Mississippi River Commission, 1311 International Life Building, St. Louis, Mo.—Sealed proposals will be received here until 11 a.m., Nov. 23, 1922, for constructing about 380,000 cubic yards of earthwork in the Kings Lake Drainage District, Mo. Further information on application.

U. S. ENGINEER OFFICE, Charleston, S. C.—Sealed proposals will be received here until noon, November 25, 1922, and then opened, for dredging western channel and Sampit River, Winyah Bay, S. C. Further information on application.

Largest Circulation of Any Technical Paper

Engineering News-Record's circulation—over 30,000 weekly—is the largest of any technical paper printed. It includes among its readers practically every worthwhile contractor, dealer, and manufacturer in the country who is interested in bidding on public works contracts—either local or outside of his immediate vicinity.

U. S. ENGINEER OFFICE, PITTSBURGH, PA. Sealed proposals will be received here until 12 noon (Eastern time) November 20, 1922, and then opened, for furnishing and delivering one steel derrick boat hull. Further information on application.

U. S. ENGINEER OFFICE, BUFFALO, N. Y.—Sealed proposals will be received here until 11 a.m., November 6, 1922, and then opened, for construction of three 400-cu.yd. steel dump scows. Further information on application.

U. S. GOVERNMENT

PROPOSAL FOR STEEL BARGE.—U. S. Engineer Office, Montgomery, Ala. Sealed proposals will be received here until 11 a.m., Dec. 1st, 1922, and then opened, for one 80 ft. x 26 ft. x 5 ft. steel barge. Further information on application.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Oct. 23, 1922.—Sealed proposals will be opened in this office at 3 p.m., Nov. 24, 1922, for construction of the United States Post Office at Chandler, Okla. Drawings and specifications may be obtained from the custodian of the site at Chandler, Okla., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 23, 1922.—Sealed proposals will be opened in this office at 3 p.m., November 20, 1922, for roof over extended mailing platforms, etc., United States Post Office, Toledo, Ohio. Drawings and specification may be obtained from the Custodian at the building, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., October 16, 1922.—Sealed proposals will be opened in this office at 3 p.m., November 16, 1922, for construction of the United States Post Office at Shawnee, Okla. Drawings and specifications may be obtained from the Custodian of the site at Shawnee, Okla., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

U. S. ENGINEER OFFICE, HUNTINGTON, W. VA., October 20, 1922. Sealed proposals will be received here until 11 a.m. (Eastern time), November 20, 1922, and then opened, for furnishing and delivering horses and props for Ohio River Dam No. 32. Further information on application.

Wanted—Correspondents
for Engineering News-Record

If you want to earn some extra money and are a resident in one of the cities named below;

If you can spare an hour or two a day *during business hours* for calling upon architects, contractors, engineers and city departments;

Then write me concerning your qualifications and present connection, if you live in

ARIZONA
Bisbee
Globe
Phoenix
Tucson

CALIFORNIA
Los Angeles

INDIANA
Evansville
Ft. Wayne
South Bend

IOWA
Dubuque

KANSAS
Hutchinson
Leavenworth

KENTUCKY
Anywhere

MISSISSIPPI
Anywhere

MISSOURI
St. Joseph

MONTANA
Butte

NEVADA
Carson City

NEW MEXICO
Santa Fe

NEW YORK
Binghamton
Schenectady

NORTH DAKOTA
Anywhere

OKLAHOMA
Anywhere

OREGON
Astoria
Medford
Salem

SOUTH CAROLINA
Except Columbia

SOUTH DAKOTA
Pierre
Sioux Falls

TENNESSEE
Chattanooga

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Alden W. Welch
Engineering News-Record, 10th Ave. at 36th St., New York